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# AUTHOR INDEX

- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>A</b>bd-el-Razik, A. 89–95<br/>         Agema, W. R. P. 255–261<br/>         Ainslie, P. N. 589–600<br/>         Akimoto, T. 81–87<br/>         Alexeyev, M. F. 355–364<br/>         Allen, A. R. 631<br/>         Amauro, C. 263–272<br/>         Amudha, K. 449–460<br/>         Andersson, I. 571–581<br/>         Ando, Y. 81–87<br/>         Annerstedt, M. 583–588<br/>         Asano, Y. 81–87<br/>         Ascher, G. 105–110<br/>         Assaly, R. A. 263–272<br/>         Auton, T. R. 167–173<br/>         Azizi, M. 263–272</p> <p><b>B</b>aessler, A. 505–511<br/>         Bagger, J. P. 213–220<br/>         Bailey, D. M. 589–600<br/>         Balasubramanian, K. A.<br/>             281–289<br/>         Balci, M. 297–302<br/>         Ball, D. 617–623<br/>         Bamford, J. 75–79<br/>         Barrett, P. H. R. 221–232,<br/>             233–249<br/>         Barthélémy, J.-C. 105–110<br/>         Basivireddy, J. 281–289<br/>         Bates, D. O. 399–405<br/>         Bayraktutan, U. 631<br/>         Bennett, M. R. 343–354<br/>         Bergström, G. 571–581,<br/>             583–588<br/>         Berthold, M. 505–511<br/>         Beye, P. 191–196<br/>         Beyer, M. E. 467–475<br/>         Bhatia, L. 423<br/>         Bigaignon, O. 105–110<br/>         Boer, J. M. A. 255–261<br/>         Borderie, D. 291–296<br/>         Borderies, J.-R. 105–110<br/>         Brett, S. E. 609–615<br/>         Brown, M. J. 167–173<br/>         Brown, R. E. 513–517<br/>         Brunini, T. M. C. 391–397</p> | <p><b>C</b>acciafesta, M. 55–61<br/>         Calder, P. C. 1–11<br/>         Cameron, J. D. 205–211<br/>         Camilla, T. 381–389<br/>         Can, G. 97–104<br/>         Carlström, J. 583–588<br/>         Carré, F. 29–35<br/>         Carrey, E. A. 63–68<br/>         Carrington, C. A. 197–204<br/>         Carturan, S. 381–389<br/>         Caso, G. 371–379<br/>         Chan, D. C. 221–232,<br/>             233–249<br/>         Channer, K. S. 149–158<br/>         Chao, T.-H. 461–466<br/>         Chen, J.-H. 415–422,<br/>             461–466<br/>         Chen, J. Z. 273–280<br/>         Chenevier-Gobeaux, C.<br/>             291–296<br/>         Cheng, C.-F. 303–308<br/>         Chin-Dusting, J. 425–434<br/>         Chowienczyk, P. J. 609–615<br/>         Clesham, G. J. 423<br/>         Cockcroft, J. R. 609–615<br/>         Coltart, J. 167–173<br/>         Connell, J. M. C. 519–532,<br/>             625–629<br/>         Connelly, N. 425–434<br/>         Cooper, M. S. 111–123<br/>         Corder, R. 513–517</p> <p><b>D</b>avies, J. E. 309–316<br/>         Davies, M. K. 197–204<br/>         Davis, E. A. 191–196<br/>         Deakin, S. P. 435–447<br/>         Delabar, U. 467–475<br/>         De Laurentis, T. 55–61,<br/>             183–190<br/>         de Maat, M. P. M. 255–261<br/>         Demme, B. 309–316<br/>         Dey, A. 561–570<br/>         Di Carlo, S. 55–61, 183–190<br/>         Dignam, J. D. 263–272<br/>         Duverney, D. 105–110</p> <p><b>E</b>dbury, S. 63–68<br/>         Ekindjian, J.-C. O. G.<br/>             291–296<br/>         Elina, R. 449–460<br/>         Elliott, M. W. 75–79<br/>         Ellory, J. C. 391–397<br/>         English, K. M. 149–158<br/>         Enkhbaatar, P. 137–143<br/>         Erbay, A. R. 297–302<br/>         Erdmann, J. 505–511<br/>         Eremin, O. 371–379<br/>         Essen, P. 601–607<br/>         Evans, A. E. 631<br/>         Ewart, M.-A. 519–532</p> <p><b>F</b>eola, M. 381–389<br/>         Ferrero, V. 381–389<br/>         Feskens, E. J. M. 255–261<br/>         Fischer, J. E. 89–95<br/>         Fischer, M. 505–511<br/>         Fisher, J. P. 197–204<br/>         Fliser, D. 485–495<br/>         Fogarty, D. G. 631<br/>         Frey, K. 89–95<br/>         Friberg, P. 583–588<br/>         Frisk, U. 47–53<br/>         Frøbert, O. 213–220<br/>         Furukawa, Y. 81–87</p> <p><b>G</b>an, L.-m. 571–581<br/>         Gander, M.-L. 89–95<br/>         Gao, S. A. 583–588<br/>         Gariballa, S. E. 477–484<br/>         Garlick, P. J. 371–379,<br/>             601–607<br/>         Gejyo, F. 317–322<br/>         Ghatei, M. 589–600<br/>         Glover, J. F. 167–173<br/>         Goldsmith, D. 63–68, 69–74<br/>         Gravholt, C. H. 213–220<br/>         Green, D. J. 191–196<br/>         Grönros, J. 571–581<br/>         Guarropa, S. 381–389<br/>         Gunewardena, K. 167–173<br/>         Guo, H.-R. 461–466</p> <p><b>H</b>abib, R. H. 263–272<br/>         Hägg, U. 571–581<br/>         Hahn, R. G. 47–53<br/>         Haller, H. 485–495<br/>         Harper, S. J. 399–405<br/>         Haung, Y.-Y. 415–422<br/>         Hayashi, K. 175–182<br/>         Hayat, S. A. 539–557<br/>         Hendry, R. G. 323–330<br/>         Hengstenberg, C. 505–511<br/>         Hense, H.-W. 505–511<br/>         Herrmann, A. 485–495<br/>         Heywood, W. E. 37–45<br/>         Higashida, H. 175–182<br/>         Hillier, C. 625–629<br/>         Hillmann, M. 485–495<br/>         Hingorani, A. 251–253<br/>         Hirata, K. 449–460<br/>         Hoffmeister, H. M. 467–475<br/>         Holmer, S. 505–511<br/>         Homma, S. 449–460<br/>         Hope, S. A. 205–211<br/>         Hoshi, N. 175–182<br/>         Houts, F. W. 263–272<br/>         Hövelborn, T. 467–475<br/>         Hozumi, T. 449–460<br/>         Hsu, C.-H. 415–422<br/>         Huang, F. Y. 303–308<br/>         Huda, R. 497–503<br/>         Hunter, A. J. 399–405</p> <p><b>I</b>imura, O. 81–87<br/>         Imig, J. D. 561–570<br/>         Ino, H. 175–182<br/>         Ito, C. 81–87<br/>         Ivarsson, T. 583–588</p> <p><b>J</b>Jackson, S. K. 589–600<br/>         Jacob, M. 281–289<br/>         Jagodzinski, P. 63–68, 69–74<br/>         James, R. W. 435–447<br/>         Jenkins, B. S. 609–615<br/>         Jensen, G. 583–588<br/>         Johansson, M. 583–588<br/>         Jones, R. D. 149–158<br/>         Jones, T. H. 149–158</p> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Jones, T. W. 191–196<br/>     Jonsdottir, I. H. 571–581<br/>     Jukema, J. W. 255–261</p> <p><b>K</b>aesemeyer, W. H. 561–570<br/>     Kaiser, T. 485–495<br/>     Kanaya, H. 175–182<br/>     Kastelein, J. J. P. 255–261<br/>     Kazama, J. J. 317–322<br/>     Kennedy, D. J. 263–272<br/>     Khan, N. Q. 513–517<br/>     Khattar, R. S. 539–557<br/>     Kinebuchi, S.-i. 317–322<br/>     Knueppel, S. 485–495<br/>     Kollai, M. 407–413<br/>     Koufaki, P. 617–623<br/>     Kudielka, B. M. 89–95<br/>     Kuo, T. B. J. 303–308<br/>     Kusano, E. 81–87</p> <p><b>L</b>ai, H. Y. 303–308<br/>     Lang, C. C. 449–460<br/>     LeDoux, S. P. 355–364<br/>     Lee, Y. 303–308<br/>     Lees, D. M. 513–517<br/>     Lemarechal, H. 291–296<br/>     Lénárd, Z. 407–413<br/>     Li, Y.-H. 461–466<br/>     Lieb, W. 505–511<br/>     Lin, C.-C. 415–422<br/>     Lindley, K. J. 37–45<br/>     Lionetti, M. 55–61<br/>     Liu, P.-Y. 415–422, 461–466<br/>     Lizakowski, S. 69–74<br/>     Ljungman, S. 583–588<br/>     Lote, C. J. 159–165<br/>     Lowel, H. 505–511<br/>     Lund, S. 213–220</p> <p><b>M</b>abuchi, H. 175–182<br/>     Magrì, D. 55–61, 183–190<br/>     Mahida, Y. R. 331–341<br/>     Malik, R. A. 539–557<br/>     Mammen, J. M. V. 633<br/>     Mann, G. E. 391–397<br/>     Maric, C. 561–570<br/>     Marigliano, V. 55–61<br/>     Marold, D. 505–511<br/>     Marshall, J. M. 323–330<br/>     Matera, S. 183–190<br/>     Mathieson, P. W. 533–538<br/>     Mathillas, Ö. 583–588<br/>     Mathru, M. 497–503<br/>     Matullo, G. 381–389<br/>     McCully, K. 559–560</p> | <p>McGlinchey, P. G. 631<br/>     McKeown, P. P. 631<br/>     McMillan, N. D. 371–379<br/>     McNurlan, M. A. 371–379, 601–607<br/>     Mendes Ribeiro, A. C. 391–397<br/>     Mercer, T. H. 617–623<br/>     Meredith, I. T. 205–211<br/>     Mersich, B. 407–413<br/>     Mian, N. 37–45<br/>     Michel, J.-B. 145–147<br/>     Milla, P. J. 37–45<br/>     Mischak, H. 485–495<br/>     Moisè, A. 55–61, 183–190<br/>     Morin-Robinet, S. 291–296<br/>     Moshage, H. 13–25<br/>     Moss, M. B. 391–397<br/>     Murphy, G. 631</p> <p><b>N</b>aish, P. F. 617–623<br/>     Nakayama, H. 317–322<br/>     Narita, I. 317–322<br/>     Naso, C. 55–61, 183–190<br/>     Naylor, A. S. 571–581<br/>     Neal, C. R. 399–405<br/>     Ng, L. L. 309–316<br/>     Nielsen, F.-D. 583–588<br/>     Nocco, M. 55–61, 183–190<br/>     Novaes Malagris, L. E. 391–397<br/>     Nylén, P. 47–53</p> <p><b>O</b>'Brien, R. J. 309–316<br/>     Olsson, J. 47–53<br/>     Onat, A. 97–104</p> <p><b>P</b>atel, B. 539–557<br/>     Patterson, C. C. 631<br/>     Pepperell, J. C. T. 27–28<br/>     Perry, C. G. 519–532<br/>     Petrie, J. R. 625–629<br/>     Piazza, A. 381–389<br/>     Piccirillo, G. 55–61, 183–190<br/>     Pichot, V. 105–110<br/>     Poiraudeau, S. 291–296<br/>     Pollock, J. S. 561–570<br/>     Powers, H. J. 477–484</p> <p><b>R</b>abelink, T. J. 255–261<br/>     Rasaratnam, B. 425–434<br/>     Reland, S. 29–35<br/>     Ribichini, F. 381–389<br/>     Richardson, R. S. 589–600<br/>     Rigó, Jr., J. 407–413</p> <p>Ritchie, S. A. 519–532<br/>     Ritter, B. S. 609–615<br/>     Ritter, J. M. 167–173<br/>     Roberts, N. B. 391–397<br/>     Roche, F. 105–110<br/>     Rolfe, V. E. 331–341<br/>     Rooyackers, O. 601–607<br/>     Rutkowski, B. 69–74</p> <p><b>S</b>abah, I. 297–302<br/>     Sainsbury, C. A. R. 625–629<br/>     Sakai, K. 317–322<br/>     Sakkas, G. K. 617–623<br/>     Salt, I. P. 519–532<br/>     Sargeant, A. J. 617–623<br/>     Satoh, M. 317–322<br/>     Sattar, N. 625–629<br/>     Schoemaker, M. H. 13–25<br/>     Schunkert, H. 505–511<br/>     Seko, Y. 424<br/>     Senhadji, L. 29–35<br/>     Sforza, E. 105–110<br/>     Shapiro, J. I. 263–272<br/>     Sharman, M. J. 365–369<br/>     Shi, G.-Y. 461–466<br/>     Shimizu, M. 175–182<br/>     Shirley, D. G. 159–165<br/>     Shyr, M.-H. 303–308<br/>     Siafarikas, A. 191–196<br/>     Simmonds, H. A. 63–68, 69–74<br/>     Simonsen, U. 213–220<br/>     Slominska, E. M. 69–74<br/>     Smolenski, R. T. 63–68, 69–74<br/>     Sniderman, A. 97–104<br/>     Soares de Moura, R. 391–397<br/>     Solanki, D. R. 497–503<br/>     Soothill, P. W. 399–405<br/>     Spence, M. S. 631<br/>     Squire, I. B. 309–316<br/>     Stewart, J. 561–570<br/>     Stoneman, V. E. A. 343–354<br/>     Strömbom, U. 583–588<br/>     Studinger, P. 407–413<br/>     Sun, X. 633<br/>     Suzuki, E. 317–322</p> <p><b>T</b>akeda, S.-i. 81–87<br/>     Tao, Q. M. 273–280<br/>     Terai, H. 175–182<br/>     Terashima, N. 175–182<br/>     Thewles, A. 159–165<br/>     Tian, X. 633</p> | <p>Tjäder, I. 601–607<br/>     Torrini, A. 183–190<br/>     Traber, D. L. 137–143<br/>     Tsai, W.-C. 415–422, 461–466<br/>     Turkington, P. M. 75–79<br/>     Turner, D. R. 423</p> <p><b>U</b>llegaddi, R. 477–484<br/>     Uno, Y. 175–182<br/>     Uslenghi, E. 381–389</p> <p><b>V</b>ado, A. 381–389<br/>     van Boven, A. J. 255–261<br/>     van den Berg, J. G. 125–136<br/>     van der Wall, E. E. 255–261<br/>     Vassanelli, C. 381–389<br/>     Ville, N. S. 29–35<br/>     Visontai, Z. 407–413<br/>     Volek, J. S. 365–369<br/>     von Känel, R. 89–95</p> <p><b>W</b>alden, M. 485–495<br/>     Walter, M. F. 159–165<br/>     Walter, S. J. 159–165<br/>     Wang, X. X. 273–280<br/>     Wanklyn, P. 75–79<br/>     Warburton, R. C. 513–517<br/>     Watts, G. F. 221–232, 233–249, 609–615<br/>     Watts, K. 191–196<br/>     Weening, J. J. 125–136<br/>     Wernermaier, J. 601–607<br/>     White, M. J. 197–204<br/>     Wierzbicki, A. S. 609–615<br/>     Wilson, G. L. 355–364<br/>     Wittke, S. 485–495<br/>     Wong, S. 29–35<br/>     Wood, E. G. 513–517<br/>     Wu, H.-L. 461–466</p> <p><b>Y</b>amaguchi, M. 175–182<br/>     Yamamoto, H. 81–87<br/>     Yang, C. C. H. 303–308<br/>     Yazici, M. 97–104<br/>     Yilmaz, M. B. 297–302<br/>     Yoshikawa, J. 449–460<br/>     Yoshizawa, H. 317–322</p> <p><b>Z</b>aharis, C. Z. 561–570<br/>     Zaher, A. 263–272<br/>     Zhang, F. R. 273–280<br/>     Zhu, Jian H. 273–280<br/>     Zhu, Jun H. 273–280<br/>     Zwinderman, A. H. 255–261</p> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------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## S U B J E C T I N D E X

- A**Acetylcholine  
cyclo-oxygenase (COX),  
vasodilation 323–330
- Acute lung injury  
burn, smoke inhalation 137–143
- Acute myocardial infarction  
peroxisome-proliferator-activated receptor (PPAR), smoking 461–466
- Adipocytokine  
endothelial function, insulin 519–532
- Aging  
heart rate variability, physical exercise 29–35  
mitochondrial DNA, oxidative stress 355–364
- Albumin  
capillary leakage, fluid resuscitation 263–272
- Albuminuria  
glomerular cell, renal disease 533–538
- Aluminium  
micropuncture, proximal tubule 159–165
- Angiotensin  
hypertension, vaccine 167–173  
immunization, vaccine 145–147
- Angiotensin-converting enzyme (ACE)  
polymorphism, restenosis 381–389
- Antioxidant  
lipoprotein, paraoxonase 435–447
- Aortic valve  
matrix metalloproteinase, stenosis 415–422
- Apnoea  
blood pressure variability, stroke 27–28
- Apoptosis  
atherosclerosis, oxidative stress 343–354  
cell survival, hepatocyte 13–25
- Arginine  
hypertension, nitric oxide synthesis 391–397
- protein synthesis, tumour cell 371–379
- Arrhythmia  
atrial natriuretic peptide, septal defect 297–302  
long QT syndrome, probucol 175–182
- Arterial pressure  
autonomic nervous system, positive-pressure ventilation 303–308
- Arterial transfer function  
augmentation index, radial artery 205–211
- Association study  
polymorphism, myocardial infarction 251–253
- Atherosclerosis  
apoptosis, oxidative stress 343–354
- Atrial natriuretic peptide  
arrhythmia, septal defect 297–302
- Augmentation index  
radial artery, arterial transfer function 205–211
- Autonomic nervous system  
arterial pressure, positive-pressure ventilation 303–308  
heart rate variability, spectral analysis 183–190  
sleep apnoea, heart rate increment 105–110
- β-Cell  
low-protein diet, programming 37–45
- Baroreflex  
carotid artery stiffening, pre-eclampsia 407–413
- Blood pressure variability  
apnoea, stroke 27–28  
heart rate, vasovagal syncope 55–61  
stroke, upper airway obstruction 75–79
- Bone  
glucocorticoid, osteoblast 111–123
- Bradykinin receptor  
myocardial infarction, polymorphism 505–511
- Burn  
smoke inhalation, acute lung injury 137–143
- Calcification  
pulse wave velocity, stenosis 415–422
- Calcium channel  
testosterone, vasodilation 149–158
- Capillarization  
renal failure, skeletal muscle 617–623
- Capillary leakage  
albumin, fluid resuscitation 263–272
- Cardiovascular disease  
endothelial dysfunction, risk factor 609–615  
hypertensive rat, physical exercise 559–560  
long chain *n*-3 fatty acid, polyunsaturated fatty acid 1–11
- Carotid artery stiffening  
baroreflex, pre-eclampsia 407–413
- Cell survival  
hepatocyte, apoptosis 13–25
- Chronic heart failure  
isometric exercise, muscle afferent 197–204
- Chronic renal failure  
myocardial repolarization, QT variability index 583–588
- Circadian rhythm  
ventilation, melatonin 47–53
- Cirrhosis  
intestinal decontamination, nitric oxide 425–434
- Coronary artery  
glycolysis, vasodilation 213–220
- Coronary artery disease  
nitric oxide synthase (NOS), polymorphism 255–261

Coronary flow reserve	Free radical	Host–bacterial interaction
endothelial dysfunction, vasomotor function 449–460	energy homoeostasis, high altitude 589–600	gastrointestinal tract, inflammatory bowel disease 331–341
Cyclin	<b>Gastrointestinal tract</b>	Hyaluronic acid synthesis
mesangial cell, proliferation 81–87	host–bacterial interaction, inflammatory bowel disease 331–341	rheumatoid arthritis, synovial cell 291–296
Cyclo-oxygenase (COX)	<b>Glomerular cell</b>	Hypercholesterolaemia
acetylcholine, vasodilation 323–330	albuminuria, renal disease 533–538	endothelial progenitor cell, vasculogenesis 273–280
obesity, renal injury 561–570	<b>Glomerular hyperfiltration</b>	Hypertension
Cytokine	positive airway pressure, sleep apnoea 317–322	arginine, nitric oxide synthesis 391–397
heparin, myocardial infarction 423–424	<b>Glomerulosclerosis</b>	vaccine, angiotensin 167–173
nitric oxide donor, rheumatoid arthritis 291–296	idiopathic nephrotic syndrome, proteinuria 125–136	Hypertensive rat
<b>Diabetes</b>	<b>Glucocorticoid</b>	cardiovascular disease, physical exercise 559–560
proteomics, renal disease 485–495	osteoblast, bone 111–123	Hypothalamic–pituitary–adrenal axis
Diabetic cardiomyopathy	<b>Glucose loading</b>	sympathetic nervous system, haemostasis 89–95
echocardiography, therapeutic intervention 539–557	insulin, endothelial function 191–196	Hypoxia
Diet	<b>Glutamine</b>	insulin, vasodilation 213–220
inflammation, weight loss 365–369	oxidative stress, small intestine 281–289	<b>Idiopathic nephrotic syndrome</b>
<b>Echocardiography</b>	<b>Haemodynamics</b>	proteinuria, glomerulosclerosis 125–136
diabetic cardiomyopathy, therapeutic intervention 539–557	endothelin receptor, vasoconstriction 467–475	Immunization
Endothelial dysfunction	voluntary physical exercise, endothelial function 571–581	vaccine, angiotensin 145–147
cardiovascular disease, risk factor 609–615	<b>Haemostasis</b>	Inflammation
coronary flow reserve, vasomotor function 449–460	hypothalamic–pituitary–adrenal axis, sympathetic nervous system 89–95	diet, weight loss 365–369
laminar shear stress, procyanidin 513–517	<b>Heart failure</b>	ischaemia/reperfusion, skeletal muscle 497–503
Endothelial function	myocardial infarction, natriuretic peptide 309–316	Inflammatory bowel disease
adipocytokine, insulin 519–532	<b>Heart rate</b>	gastrointestinal tract, host–bacterial interaction 331–341
haemodynamics, voluntary physical exercise 571–581	vasovagal syncope, blood pressure variability 55–61	Insulin
insulin, glucose loading 191–196	<b>Heart rate increment</b>	adipocytokine, endothelial function 519–532
non-esterified fatty acid (NEFA), resistance artery 625–629	sleep apnoea, autonomic nervous system 105–110	endothelial function, glucose loading 191–196
Endothelial progenitor cell	<b>Heart rate variability</b>	vasodilation, hypoxia 213–220
hypercholesterolaemia, vasculogenesis 273–280	physical exercise, aging 29–35	Interventional study
Endothelin	spectral analysis, autonomic nervous system 183–190	lipoprotein transport, modelling 233–249
heart failure, procyanidin 513–517	<b>Heparin</b>	Intestinal decontamination
Endothelin receptor	cytokine, myocardial infarction 423–424	cirrhosis, nitric oxide 425–434
haemodynamics, vasoconstriction 467–475	<b>Hepatocyte</b>	Ischaemia/reperfusion
Energy homoeostasis	apoptosis, cell survival 13–25	inflammation, skeletal muscle 497–503
free radical, high altitude 589–600	<b>High altitude</b>	Isometric exercise
Erythrocyte	energy homoeostasis, free radical 589–600	muscle afferent, chronic heart failure 197–204
mycophenolate, transplantation 63–68		Isotope kinetics
<b>Fluid resuscitation</b>		lipoprotein transport, metabolic syndrome 221–232
albumin, capillary leakage 263–272		

- L**aminar shear stress  
endothelial dysfunction, procyanidin 513–517
- L**eucocyte  
mycophenolate, transplantation 69–74
- L**ipoprotein  
antioxidant, paraoxonase 435–447
- L**ipoprotein transport  
interventional study, modelling 233–249  
isotope kinetics, metabolic syndrome 221–232
- L**ong chain *n*-3 fatty acid  
polyunsaturated fatty acid, cardiovascular disease 1–11
- L**ong QT syndrome  
probucol, arrhythmia 175–182
- L**ow-protein diet  
programming,  $\beta$ -cell 37–45
- M**elatonin  
circadian rhythm, ventilation 47–53
- M**esangial cell  
proliferation, cyclin 81–87
- M**etabolic syndrome  
isotope kinetics, lipoprotein transport 221–232
- M**icropuncture  
proximal tubule, aluminium 159–165
- M**icrovascular permeability  
oncotic pressure, pre-eclampsia 399–405
- M**itochondrial DNA  
aging, oxidative stress 355–364
- M**odelling  
interventional study, lipoprotein transport 233–249
- M**uscle afferent  
chronic heart failure, isometric exercise 197–204
- M**ycophenolate  
erythrocyte, transplantation 63–68  
transplantation, leucocyte 69–74
- M**yocardial infarction  
association study, polymorphism 251–253  
heart failure, natriuretic peptide 309–316  
heparin, cytokine 423–424  
polymorphism, bradykinin receptor 505–511
- M**yocardial repolarization  
chronic renal failure, QT variability index 583–588
- N**atriuretic peptide  
heart failure, myocardial infarction 309–316
- N**itric oxide  
cirrhosis, intestinal decontamination 425–434
- N**itric oxide donor  
cytokine, rheumatoid arthritis 291–296
- N**itric oxide synthase (NOS)  
coronary artery disease, polymorphism 255–261
- N**itric oxide synthesis  
arginine, hypertension 391–397
- N**on-esterified fatty acid (NEFA)  
endothelial function, resistance artery 625–639
- O**besity  
cyclo-oxygenase (COX), renal injury 561–570  
postmenopausal women, risk factor 97–104
- O**ncotic pressure  
microvascular permeability, pre-eclampsia 399–405
- O**steoblast  
bone, glucocorticoid 111–123
- O**xidative damage  
stroke, vitamin supplementation 477–484
- O**xidative stress  
aging, mitochondrial DNA 355–364  
apoptosis, atherosclerosis 343–354  
glutamine, small intestine 281–289
- P**araoxonase  
antioxidant, lipoprotein 435–447
- P**eroxisome-proliferator-activated receptor (PPAR)  
acute myocardial infarction, smoking 461–466
- P**hysical exercise  
aging, heart rate variability 29–35  
cardiovascular disease, hypertensive rat 559–560
- P**olymorphism  
angiotensin-converting enzyme (ACE), restenosis 381–389  
association study, myocardial infarction 251–253
- C**oronary artery disease, nitric oxide synthase (NOS) 255–261
- M**yocardial infarction, bradykinin receptor 505–511
- P**olyunsaturated fatty acid  
cardiovascular disease, long chain *n*-3 fatty acid 1–11
- P**ositive airway pressure  
glomerular hyperfiltration, sleep apnoea 317–322
- P**ositive-pressure ventilation  
arterial pressure, autonomic nervous system 303–308
- P**ostmenopausal women  
risk factor, obesity 97–104
- P**re-eclampsia  
baroreflex, carotid artery stiffening 407–413  
microvascular permeability, oncotic pressure 399–405
- P**robucol  
arrhythmia, long QT syndrome 175–182
- P**rocyanidin  
endothelial dysfunction, laminar shear stress 513–517
- P**rogramming  
 $\beta$ -cell, low-protein diet 37–45
- P**roliferation  
cyclin, mesangial cell 81–87
- P**rotein synthesis  
arginine, tumour cell 371–379  
skeletal muscle, surgical trauma 601–607
- P**roteinuria  
glomerulosclerosis, idiopathic nephrotic syndrome 125–136
- P**roteomics  
renal disease, diabetes 485–495
- P**roximal tubule  
aluminium, micropuncture 159–165
- P**ulse wave velocity  
calcification, stenosis 415–422
- Q**T variability index  
chronic renal failure, myocardial repolarization 583–588
- R**adial artery  
arterial transfer function, augmentation index 205–211
- R**enal disease  
albuminuria, glomerular cell 533–538  
proteomics, diabetes 485–495

<b>Renal failure</b>	<b>Smoke inhalation</b>	<b>Tumour cell</b>
capillarization, skeletal muscle 617–623	acute lung injury, burn 137–143	arginine, protein synthesis 371–379
<b>Renal injury</b>	<b>Smoking</b>	<b>Upper airway obstruction</b>
cyclo-oxygenase (COX), obesity 561–570	acute myocardial infarction, peroxisome-proliferator- activated receptor (PPAR) 461–466	blood pressure variability, stroke 75–79
<b>Resistance artery</b>	<b>Spectral analysis</b>	<b>Vaccine</b>
endothelial function, non-esterified fatty acid (NEFA) 625–629	autonomic nervous system, heart rate variability 183–190	angiotensin, immunization 145–147 hypertension, angiotensin 167–173
<b>Restenosis</b>	<b>Stenosis</b>	<b>Vasculogenesis</b>
angiotensin-converting enzyme (ACE), polymorphism 381–389	calcification, pulse wave velocity 415–422	endothelial progenitor cell, hypercholesterolaemia 273–280
<b>Rheumatoid arthritis</b>	<b>Stroke</b>	<b>Vasoconstriction</b>
cytokine, nitric oxide donor 291–296	apnoea, blood pressure variability 27–28	endothelin receptor, haemodynamics 467–475
<b>Risk factor</b>	oxidative damage, vitamin supplementation 477–484	<b>Vasodilation</b>
cardiovascular disease, endothelial dysfunction 609–615	upper airway obstruction, blood pressure variability 75–79	acetylcholine, cyclo-oxygenase (COX) 323–330
obesity, postmenopausal women 97–104	<b>Surgical trauma</b>	calcium channel, testosterone 149–158
<b>Septal defect</b>	protein synthesis, skeletal muscle 601–607	hypoxia, insulin 213–220
arrhythmia, atrial natriuretic peptide 297–302	<b>Sympathetic nervous system</b>	<b>Vasomotor function</b>
<b>Skeletal muscle</b>	haemostasis, hypothalamic– pituitary–adrenal axis 89–95	coronary flow reserve, endothelial dysfunction 449–460
capillarization, renal failure 617–623	<b>Testosterone</b>	<b>Vasovagal syncope</b>
inflammation, ischaemia/reperfusion 497–503	vasodilation, calcium channel 149–158	blood pressure variability, heart rate 55–61
protein synthesis, surgical trauma 601–607	<b>Therapeutic intervention</b>	<b>Ventilation</b>
<b>Sleep apnoea</b>	diabetic cardiomyopathy, echocardiography 539–557	melatonin, circadian rhythm 47–53
autonomic nervous system, heart rate increment 105–110	<b>Transplantation</b>	<b>Vitamin supplementation</b>
glomerular hyperfiltration, positive airway pressure 317–322	erythrocyte, mycophenolate 63–68	oxidative damage, stroke 477–484
<b>Small intestine</b>	mycophenolate, leucocyte 69–74	<b>Voluntary physical exercise</b>
glutamine, oxidative stress 281–289		endothelial function, haemodynamics 571–581
		<b>Weight loss</b>
		diet, inflammation 365–369