

Author Index Volume 27 (2016)

The issue number is given in front of the page numbers.

- Abe, Y., see Salmingo, R.A. (1) 49– 62
- Abolfathi, N., see Hakam, M.S. (6) 669–682
- Agarwal, R., see Kaur, A. (1) 29– 37
- Akbarzadeh, P., The analysis of MHD blood flows through porous arteries using a locally modified homogenous nanofluids model (1) 15– 28
- Aksakal, B., see Sezek, S. (2,3) 197–209
- Al Kheraif, A.A., see Durgesh, B.H. (4) 365–374
- Al-Omair, M.A., see Saleh, M.M. (1) 87– 99
- Alam, K., Exploring thermal anisotropy of cortical bone using temperature measurements in drilling (1) 39– 48
- Alam, K., E. Hassan, S.H. Imran and M. Khan, In-vitro analysis of forces in conventional and ultrasonically assisted drilling of bone (1) 101–110
- Alfano, K.M., S. Chakraborty and M. Tarasev, Differences in bead-milling-induced hemolysis of red blood cells due to shape and size of oscillating bead (4) 405–412
- Alhijji, S., see Durgesh, B.H. (4) 365–374
- Ali, F.M., R.H. Elgebaly, M.S. Elneklawi and A.S. Othman, Role of duty cycle on *Pseudomonas aeruginosa* growth inhibition mechanisms by positive electric pulses (2,3) 211–225
- Almasi, D., see Assadian, M. (2,3) 287–303
- Aoki, H., see Ozeki, K. (2,3) 227–236
- Asakura, T., see Bhawal, U.K. (4) 413–424
- Asano, T., Y. Kinoshita, M. Furuse, K. Tanabe and T. Kuroiwa, A method for deciding the optimal anticoagulant infusion dose for blood purification therapy (2,3) 161–170
- Assadian, M., H. Jafari, S.M. Ghaffari Shahri, M.H. Idris and D. Almasi, Topography, wetting, and corrosion responses of electrodeposited hydroxyapatite and fluoridated hydroxyapatite on magnesium (2,3) 287–303
- Bagheri, N., see Samsami, S. (4) 389–404
- Baia, L., see Magyari, K. (1) 63– 74
- Bhawal, U.K., R. Uchida, N. Kuboyama, T. Asakura, K. Hiratuska and N. Nishiyama, Effect of the surface morphology of silk fibroin scaffolds for bone regeneration (4) 413–424
- Bing-ru, L., see Zheng, S. (2,3) 183–195
- Boerendonk, A., see Broekema, F.I. (2,3) 149–159
- Bölgen, N., see Ceylan, S. (4) 327–340
- Bos, R.R.M., see Broekema, F.I. (2,3) 149–159
- Bousefsaf, F., C. Maaoui and A. Pruski, Peripheral vasomotor activity assessment using a continuous wavelet analysis on webcam photoplethysmographic signals (5) 527–538

- Bozkurt, S., S. van Tuijl, F.N. van de Vosse and M.C.M. Rutten, Arterial pulsatility under phasic left ventricular assist device support (5) 451–460
- Braga, F.J.C., see Ueno, F.R. (2,3) 259–273
- Braune, A., see Radke, O.C. (4) 315–325
- Broekema, F.I., W. van Oeveren, A. Boerendonk, P.K. Sharma and R.R.M. Bos, Hemostatic action of polyurethane foam with 55% polyethylene glycol compared to collagen and gelatin (2,3) 149–159
- Cai, G., see Gao, L. (2,3) 131–148
- Cao, H., see Wang, Z. (6) 589–601
- Ceylan, S., D. Göktürk and N. Bölgen, Effect of crosslinking methods on the structure and biocompatibility of polyvinyl alcohol/gelatin cryogels (4) 327–340
- Cha, B.-K., D.-S. Choi, I. Jang, B.-H. Choe and W.-Y. Choi, Orthodontic tunnel miniscrews with and without TiO₂ nanotube arrays as a drug-delivery system: *In vivo* study (4) 375–387
- Chakraborty, S., see Alfano, K.M. (4) 405–412
- Chehel Amirani, M., see Houshyarifar, V. (2,3) 275–285
- Chen, Q., see Wang, Z. (6) 589–601
- Chen, S., see Zhang, L. (5) 495–505
- Choe, B.-H., see Cha, B.-K. (4) 375–387
- Choi, D.-S., see Cha, B.-K. (4) 375–387
- Choi, W.-Y., see Cha, B.-K. (4) 375–387
- Corner, G., see Xu, Y. (4) 341–351
- Culha, M., see Nalbantgil, D. (5) 539–549
- da Silva, A.C., see Ueno, F.R. (2,3) 259–273
- Dai, F., see Tang, H. (5) 485–494
- Deng, L., see Gao, L. (2,3) 131–148
- Denzinger, M., H. Hinkel, J. Kurz, T. Hierlemann, C. Schlensak, H.P. Wendel and S. Krajewski, Hemostyptic property of chitosan: Opportunities and pitfalls (4) 353–364
- Durgesh, B.H., S. Alhijji, M.I. Hashem, A.A. Al Kheraif, P. Durgesh, M. Elsharawy and P.K. Vallittu, Influence of tooth brushing on adhesion strength of orthodontic brackets bonded to porcelain (4) 365–374
- Durgesh, P., see Durgesh, B.H. (4) 365–374
- Egorin, V.S., see Gnedenkov, S.V. (6) 551–560
- Elgebaly, R.H., see Ali, F.M. (2,3) 211–225
- Elneklawi, M.S., see Ali, F.M. (2,3) 211–225
- Elsharawy, M., see Durgesh, B.H. (4) 365–374
- Faisal, T.R. and Y. Luo, Study of stress variations in single-stance and sideways fall using image-based finite element analysis (1) 1–14
- Fakhrzadeh, H., see Hakam, M.S. (6) 669–682
- Falentin-Daudre, C., see Zhang, C.X. (6) 657–668
- Feng, Z., see Kikuchi, M. (6) 603–611
- Fernandes, K.R., see Ueno, F.R. (2,3) 259–273
- Fischer, F., see Radke, O.C. (4) 315–325
- Fukuda, K., see Takeuchi, I. (5) 475–483
- Furuse, M., see Asano, T. (2,3) 161–170
- Gabbai-Armelin, P.R., see Ueno, F.R. (2,3) 259–273

- Gao, L., Y. Zhang, Y. Zhou, X. Hu, L. Deng, K. Zhang, G. Cai and J. Zhang, Compound Doppler ultrasound signal simulation for pulsatile carotid arteries with a stenosis (2,3) 131–148
- Ghaffari Shahri, S.M., see Assadian, M. (2,3) 287–303
- Ghalichi, F., see Tabe, R. (2,3) 119–129
- Ghasemzadeh, K., see Tabe, R. (2,3) 119–129
- Gnedenkov, S.V., S.L. Sinebryukhov, A.V. Puz', V.S. Egorkin and R.E. Kostiv, *In vivo* study of osteogenerating properties of calcium-phosphate coating on titanium alloy Ti–6Al–4V (6) 551–560
- Göktürk, D., see Ceylan, S. (4) 327–340
- Granito, R.N., see Ueno, F.R. (2,3) 259–273
- Guoxiang, L., see Linsheng, L. (2,3) 251–258
- Gürger, M., see Sezek, S. (2,3) 197–209
- Hakam, M.S., R. Imani, N. Abolfathi, H. Fakhrzadeh and A.M. Sharifi, Evaluation of fibrin-gelatin hydrogel as biopaper for application in skin bioprinting: An *in-vitro* study (6) 669–682
- Hashem, M.I., see Durgesh, B.H. (4) 365–374
- Hassan, E., see Alam, K. (1) 101–110
- Hattori, K., M. Ogawa, K. Tanaka, A. Matsuya, K. Uematsu and Y. Tanaka, Can joint sound assess soft and hard endpoints of the Lachman test?: A preliminary study (1) 111–118
- Hierlemann, T., see Denzinger, M. (4) 353–364
- Hiltunen, M., see Sarin, J. (4) 425–436
- Hinkel, H., see Denzinger, M. (4) 353–364
- Hiratuska, K., see Bhawal, U.K. (4) 413–424
- Horiuchi, N., see Kohata, K. (2,3) 305–314
- Hossain, K., see Khandaker, M. (5) 461–474
- Hossainpour, S., see Tabe, R. (2,3) 119–129
- Houshyarifar, V. and M. Chehel Amirani, An approach to predict Sudden Cardiac Death (SCD) using time domain and bispectrum features from HRV signal (2,3) 275–285
- Hu, X., see Gao, L. (2,3) 131–148
- Huang, Z., see Xu, Y. (4) 341–351
- Hupa, L., see Sarin, J. (4) 425–436
- Hussain, T., M. Schneider, B. Summer and S. Strieth, Pre-operative *in vitro* fibroblast coating of porous polyethylene compound grafts – Cell survival *in vivo* and effects on biocompatibility (2,3) 237–249
- Ichinose, S., see Kusaba, H. (1) 75–85
- Idris, M.H., see Assadian, M. (2,3) 287–303
- Imani, R., see Hakam, M.S. (6) 669–682
- Imran, S.H., see Alam, K. (1) 101–110
- Ito, M., see Salmingo, R.A. (1) 49–62
- Itoh, S., see Kohata, K. (2,3) 305–314
- Itoh, S., see Kusaba, H. (1) 75–85
- Itoi, E., H. Nagamoto, H. Sano, N. Yamamoto and J. Kawakami, Review Article. Deadman theory revisited (2,3) 171–181
- Jafari, H., see Assadian, M. (2,3) 287–303
- Jang, I., see Cha, B.-K. (4) 375–387
- Kardas, G., see Nalbantgil, D. (5) 539–549
- Kaur, A., R. Agarwal and A. Kumar, Comparison of muscles activity of abled bodied and amputee subjects for around shoulder movement (1) 29–37

- Kawakami, J., see Itoi, E. (2,3) 171–181
- Khan, M., see Alam, K. (1) 101–110
- Khandaker, M., S. Riahinezhad, Y. Li, M.B. Vaughan, F. Sultana, T.L. Morris, L. Phinney and K. Hossain, Plasma nitriding of titanium alloy: Effect of roughness, hardness, biocompatibility, and bonding with bone cement (5) 461–474
- Kido, H.W., see Ueno, F.R. (2,3) 259–273
- Kikuchi, M., Z. Feng, T. Kosawada, D. Sato, T. Nakamura and M. Umezū, Stress relaxation and stress-strain characteristics of porcine amniotic membrane (6) 603–611
- Kinoshita, Y., see Asano, T. (2,3) 161–170
- Kobayashi, S., see Takeuchi, I. (5) 475–483
- Koch, T., see Radke, O.C. (4) 315–325
- Kohata, K., S. Itoh, N. Horiuchi, T. Yoshioka and K. Yamashita, The role of the collaborative functions of the composite structure of organic and inorganic constituents and their influence on the electrical properties of human bone (2,3) 305–314
- Kosawada, T., see Kikuchi, M. (6) 603–611
- Kostiv, R.E., see Gnedenkov, S.V. (6) 551–560
- Krajewski, S., see Denzinger, M. (4) 353–364
- Kuboyama, N., see Bhawal, U.K. (4) 413–424
- Kumar, A., see Kaur, A. (1) 29–37
- Kumar, Y.K., S.B. Mehta and M. Ramachandra, Numerical modeling of vessel geometry to measure hemodynamics parameters non-invasively in cerebral arteriovenous malformation (6) 613–631
- Kumbhar, S.G. and S.H. Pawar, Synthesis and characterization of chitosan-alginate scaffolds for seeding human umbilical cord derived mesenchymal stem cells (6) 561–575
- Kuroiwa, T., see Asano, T. (2,3) 161–170
- Kurz, J., see Denzinger, M. (4) 353–364
- Kusaba, H., M. Terada-Nakaishi, W. Wang, S. Itoh, K. Nozaki, A. Nagai, S. Ichinose and K. Takakuda, Comparison of nerve regenerative efficacy between decellularized nerve graft and nonwoven chitosan conduit (1) 75–85
- Lewis, G, see Qi, Y. (6) 633–646
- Li, B., see Tang, H. (5) 485–494
- Li, Y., see Khandaker, M. (5) 461–474
- Li, Y., see Tang, H. (5) 485–494
- Lihui, L., see Linsheng, L. (2,3) 251–258
- Linsheng, L., L. Guoxiang and L. Lihui, Research on the preparation, biocompatibility and bioactivity of magnesium matrix hydroxyapatite composite material (2,3) 251–258
- Liu, M., see Wang, Z. (6) 589–601
- Liu, S., see Tang, H. (5) 485–494
- Liu, S., see Wan, Q. (6) 577–587
- Liu, Z., see Wan, Q. (6) 577–587
- Luo, Y., see Faisal, T.R. (1) 1–14
- Ma, J., see Tang, H. (5) 485–494
- Maaoui, C., see Bousefsaf, F. (5) 527–538
- Magri, A.M.P., see Ueno, F.R. (2,3) 259–273
- Magyari, K., E. Vanea, L. Baia and V. Simon, Attachment and conformational changes of collagen on bioactive glass surface (1) 63–74

- Mahomed, A. and N.B. Pormehr, Effect of accelerated aging on the cross-link density of medical grade silicones (5) 437–449
- Makino, K., see Takeuchi, I. (5) 475–483
- Malkoc, M., see Sezek, S. (2,3) 197–209
- Masithulela, F., Bi-ventricular finite element model of right ventricle overload in the healthy rat heart (5) 507–525
- Matsuya, A., see Hattori, K. (1) 111–118
- Mehta, S.B., see Kumar, Y.K. (6) 613–631
- Migonney, V., see Zhang, C.X. (6) 657–668
- Morris, T.L., see Khandaker, M. (5) 461–474
- Mu, W., see Zhang, L. (5) 495–505
- Nagai, A., see Kusaba, H. (1) 75– 85
- Nagamoto, H., see Itoi, E. (2,3) 171–181
- Nakamura, T., see Kikuchi, M. (6) 603–611
- Nalbantgil, D., F. Ulkur, G. Kardas and M. Culha, Evaluation of corrosion resistance and surface characteristics of orthodontic wires immersed in different mouthwashes (5) 539–549
- Nishiyama, N., see Bhawal, U.K. (4) 413–424
- Nozaki, K., see Kusaba, H. (1) 75– 85
- Ogawa, M., see Hattori, K. (1) 111–118
- Othman, A.S., see Ali, F.M. (2,3) 211–225
- Ozeki, K. and H. Aoki, Evaluation of the adsorptive behavior of cesium and strontium on hydroxyapatite and zeolite for decontamination of radioactive substances (2,3) 227–236
- Pawar, S.H., see Kumbhar, S.G. (6) 561–575
- Phinney, L., see Khandaker, M. (5) 461–474
- Pirracchio, R., see Radke, O.C. (4) 315–325
- Pormehr, N.B., see Mahomed, A. (5) 437–449
- Pruski, A., see Bousefsaf, F. (5) 527–538
- Pulkkinen, J., see Sarin, J. (4) 425–436
- Puz', A.V., see Gnedenkov, S.V. (6) 551–560
- Qi, Y. and G Lewis, Influence of assigned material combination in a simulated total cervical disc replacement design on kinematics of a model of the full cervical spine: A finite element analysis study (6) 633–646
- Radke, O.C., T. Schneider, A. Braune, R. Pirracchio, F. Fischer and T. Koch, Comparison of distribution of lung aeration measured with EIT and CT in spontaneously breathing, awake patients (4) 315–325
- Ramachandra, M., see Kumar, Y.K. (6) 613–631
- Renno, A.C.M., see Ueno, F.R. (2,3) 259–273
- Riahinezhad, S., see Khandaker, M. (5) 461–474
- Rouhi, G., see Samsami, S. (4) 389–404
- Rutten, M.C.M., see Bozkurt, S. (5) 451–460
- Saberi, S., see Samsami, S. (4) 389–404
- Saleh, M.M., A.H. Touny, M.A. Al-Omair and M.M. Saleh, Biodegradable/biocompatible coated metal implants for orthopedic applications (1) 87– 99
- Saleh, M.M., see Saleh, M.M. (1) 87– 99

- Salmingo, R.A., S. Tadano, Y. Abe and M. Ito, Intraoperative implant rod three-dimensional geometry measured by dual camera system during scoliosis surgery (1) 49–62
- Samsami, S., S. Saberi, N. Bagheri and G. Rouhi, Interfragmentary motion assessment for three different fixation techniques of femoral neck fractures in young adults (4) 389–404
- Sano, H., see Itoi, E. (2,3) 171–181
- Sarin, J., M. Hiltunen, L. Hupa, J. Pulkkinen and P.K. Vallittu, Compression properties and dissolution of bioactive glass S53P4 and n-butyl-2 cyanoacrylate tissue adhesive-composite (4) 425–436
- Sato, D., see Kikuchi, M. (6) 603–611
- Say, Y., see Sezek, S. (2,3) 197–209
- Schlensak, C., see Denzinger, M. (4) 353–364
- Schneider, M., see Hussain, T. (2,3) 237–249
- Schneider, T., see Radke, O.C. (4) 315–325
- Sezek, S., B. Aksakal, M. Gürger, M. Malkoc and Y. Say, Biomechanical comparison of straight and helical compression plates for fixation of transverse and oblique bone fractures: Modeling and experiments (2,3) 197–209
- Sharifi, A.M., see Hakam, M.S. (6) 669–682
- Sharma, P.K., see Broekema, F.I. (2,3) 149–159
- Simon, V., see Magyari, K. (1) 63–74
- Sinebryukhov, S.L., see Gnedenkov, S.V. (6) 551–560
- Strieth, S., see Hussain, T. (2,3) 237–249
- Sultana, F., see Khandaker, M. (5) 461–474
- Summer, B., see Hussain, T. (2,3) 237–249
- Tabe, R., F. Ghalichi, S. Hossainpour and K. Ghasemzadeh, Laminar-to-turbulence and re-laminarization zones detection by simulation of low Reynolds number turbulent blood flow in large stenosed arteries (2,3) 119–129
- Tadano, S., see Salmingo, R.A. (1) 49–62
- Takakuda, K., see Kusaba, H. (1) 75–85
- Takeuchi, I., K. Fukuda, S. Kobayashi and K. Makino, Transdermal delivery of estradiol-loaded PLGA nanoparticles using iontophoresis for treatment of osteoporosis (5) 475–483
- Tan, T., see Wang, Z. (6) 589–601
- Tanabe, K., see Asano, T. (2,3) 161–170
- Tanaka, K., see Hattori, K. (1) 111–118
- Tanaka, Y., see Hattori, K. (1) 111–118
- Tang, H., Y. Li, J. Ma, X. Zhang, B. Li, S. Liu, F. Dai and X. Zhang, Improvement of biological and mechanical properties of titanium surface by anodic oxidation (5) 485–494
- Tarasev, M., see Alfano, K.M. (4) 405–412
- Terada-Nakaishi, M., see Kusaba, H. (1) 75–85
- Touny, A.H., see Saleh, M.M. (1) 87–99
- Uchida, R., see Bhawal, U.K. (4) 413–424
- Uematsu, K., see Hattori, K. (1) 111–118
- Ueno, F.R., H.W. Kido, R.N. Granito, P.R. Gabbai-Armelin, A.M.P. Magri, K.R. Fernandes, A.C. da Silva, F.J.C. Braga and A.C.M. Renno, Calcium phosphate fibers coated with collagen: *In vivo* evaluation of the effects on bone repair (2,3) 259–273
- Ulkur, F., see Nalbantgil, D. (5) 539–549
- Umezu, M., see Kikuchi, M. (6) 603–611
- Vallittu, P.K., see Durgesh, B.H. (4) 365–374

- Vallittu, P.K., see Sarin, J. (4) 425–436
- van de Vosse, F.N., see Bozkurt, S. (5) 451–460
- van Oeveren, W., see Broekema, F.I. (2,3) 149–159
- van Tuijl, S., see Bozkurt, S. (5) 451–460
- Vanea, E., see Magyari, K. (1) 63–74
- Vaughan, M.B., see Khandaker, M. (5) 461–474
- Wan, Q., Z. Liu, Y. Yang and S. Liu, Effect of curcumin on inhibiting atherogenesis by down-regulating lipocalin-2 expression in apolipoprotein E knockout mice (6) 577–587
- Wang, W., see Kusaba, H. (1) 75–85
- Wang, Z., Q. Chen, M. Liu, T. Tan and H. Cao, Synthesis and characterization of an injectable hyaluronic acid-polyaspartylhydrazide hydrogel (6) 589–601
- Wendel, H.P., see Denzinger, M. (4) 353–364
- Wu, Y., see Zhang, L. (5) 495–505
- Xu, F., see Zhang, L. (5) 495–505
- Xu, Y., Z. Huang and G. Corner, A study of the effect of clinical washing decontamination process on corrosion resistance of Martensitic Stainless Steel 420 (4) 341–351
- Yamamoto, N., see Itoi, E. (2,3) 171–181
- Yamashita, K., see Kohata, K. (2,3) 305–314
- Yang, D., see Zhang, L. (5) 495–505
- Yang, Y., see Wan, Q. (6) 577–587
- Yoshioka, T., see Kohata, K. (2,3) 305–314
- Zehbe, K., see Zehbe, R. (6) 647–656
- Zehbe, R. and K. Zehbe, Biocompatible hollow-strut, silica enriched zirconia foams (6) 647–656
- Zhang, C.X., C. Falentin-Daudre and V. Migonney, Titanium alloy surface coatings using poly(sodium styrene sulfonate) and poly(acrylic acid) (6) 657–668
- Zhang, J., see Gao, L. (2,3) 131–148
- Zhang, K., see Gao, L. (2,3) 131–148
- Zhang, L., W. Mu, S. Chen, D. Yang, F. Xu and Y. Wu, The enhancement of osteogenic capacity in a synthetic BMP-2 derived peptide coated mineralized collagen composite in the treatment of the mandibular defects (5) 495–505
- Zhang, X., see Tang, H. (5) 485–494
- Zhang, X., see Tang, H. (5) 485–494
- Zhang, Y., see Gao, L. (2,3) 131–148
- Zheng, S. and L. Bing-ru, Fast retrieval of calcification from sequential intravascular ultrasound gray-scale images (2,3) 183–195
- Zhou, Y., see Gao, L. (2,3) 131–148