

Shahram Rabbani

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

1,559
citations

331538

21
h-index

330025

37
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62
all docs

62
docs citations

62
times ranked

2649
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | In vitro and in vivo study of carboxymethyl chitosan/polyvinyl alcohol for wound dressing application. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51764. | 1.3 | 5 |
| 2 | Curcumin polymeric membranes for postoperative peritoneal adhesion: Comparison of nanofiber vs. film and phospholipid-enriched vs. non-enriched formulations. <i>International Journal of Pharmaceutics</i> , 2022, 614, 121434. | 2.6 | 8 |
| 3 | Pre-vascularization Approaches for Heart Tissue Engineering. <i>Regenerative Engineering and Translational Medicine</i> , 2021, 7, 450-459. | 1.6 | 4 |
| 4 | Cartilage tissue engineering using injectable functionalized Demineralized Bone Matrix scaffold with glucosamine in PVA carrier, cultured in microbioreactor prior to study in rabbit model. <i>Materials Science and Engineering C</i> , 2021, 120, 111677. | 3.8 | 13 |
| 5 | A comprehensive systematic review of photocatalytic degradation of pesticides using nano TiO ₂ . <i>Environmental Science and Pollution Research</i> , 2021, 28, 13055-13071. | 2.7 | 35 |
| 6 | Oxygen-rich Environment Ameliorates Cell Therapy Outcomes of Cardiac Progenitor Cells for Myocardial Infarction. <i>Materials Science and Engineering C</i> , 2021, 121, 111836. | 3.8 | 1 |
| 7 | The Effect of Bulk Electrospun Polycaprolactone-graphene Oxide Scaffold on the Healing of Defected Femur Cartilage on a Rabbit Model. <i>Fibers and Polymers</i> , 2021, 22, 1247-1255. | 1.1 | 1 |
| 8 | Self-powered cardiac pacemaker by piezoelectric polymer nanogenerator implant. <i>Nano Energy</i> , 2021, 83, 105781. | 8.2 | 111 |
| 9 | Treatment of diabetic mice by microfluidic system-assisted transplantation of stem cells-derived insulin-producing cells transduced with miRNA. <i>Life Sciences</i> , 2021, 274, 119338. | 2.0 | 5 |
| 10 | Comparison of the Toxic Effects of Pristine and Photocatalytically Used TiO ₂ Nanoparticles in Mice. <i>Biological Trace Element Research</i> , 2021, , 1. | 1.9 | 2 |
| 11 | Combined therapy of mesenchymal stem cells with a GLP-1 receptor agonist, liraglutide, on an inflammatory-mediated diabetic non-human primate model. <i>Life Sciences</i> , 2021, 276, 119374. | 2.0 | 8 |
| 12 | Cartilage tissue engineering by co-transplantation of chondrocyte extracellular vesicles and mesenchymal stem cells, entrapped in chitosan-hyaluronic acid hydrogel. <i>Biomedical Materials (Bristol)</i> , 2021, 16, 055003. | 1.7 | 19 |
| 13 | MicroRNA-331 inhibits isoproterenol-induced expression of profibrotic genes in cardiac myofibroblasts via the TGF β /smad3 signaling pathway. <i>Scientific Reports</i> , 2021, 11, 2548. | 1.6 | 3 |
| 14 | Prevention of abdominal adhesion by a polycaprolactone/phospholipid hybrid film containing quercetin and silver nanoparticles. <i>Nanomedicine</i> , 2021, 16, 2449-2464. | 1.7 | 4 |
| 15 | Review Insights In Cardiac Tissue Engineering: Cells, Scaffolds, and Pharmacological Agents.. <i>Iranian Journal of Pharmaceutical Research</i> , 2021, 20, 467-496. | 0.3 | 3 |
| 16 | Targeted and Controlled Drug Delivery to a Rat Model of Heart Failure Through a Magnetic Nanocomposite. <i>Annals of Biomedical Engineering</i> , 2020, 48, 709-721. | 1.3 | 9 |
| 17 | Vascular endothelial growth factor sustained delivery augmented cell therapy outcomes of cardiac progenitor cells for myocardial infarction. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2020, 14, 1939-1944. | 1.3 | 4 |
| 18 | Stem cells and heart tissue regeneration. , 2020, , 47-70. | | 1 |

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|----|--|-----|-----------|
| 19 | Exosomes as a next-generation drug delivery system: An update on drug loading approaches, characterization, and clinical application challenges. <i>Acta Biomaterialia</i> , 2020, 113, 42-62. | 4.1 | 105 |
| 20 | An excellent nanofibrous matrix based on gum tragacanth-poly (ϵ -caprolactone)-poly (vinyl alcohol) for application in diabetic wound healing. <i>Polymer Degradation and Stability</i> , 2020, 174, 109105. | 2.7 | 41 |
| 21 | Mesenchymal stem cell-derived extracellular vesicles alone or in conjunction with a SDKP-conjugated self-assembling peptide improve a rat model of myocardial infarction. <i>Biochemical and Biophysical Research Communications</i> , 2020, 524, 903-909. | 1.0 | 33 |
| 22 | Development of poly (mannitol sebacate)/poly (lactic acid) nanofibrous scaffolds with potential applications in tissue engineering. <i>Materials Science and Engineering C</i> , 2020, 110, 110626. | 3.8 | 26 |
| 23 | A Cell-Free SDKP-Conjugated Self-Assembling Peptide Hydrogel Sufficient for Improvement of Myocardial Infarction. <i>Biomolecules</i> , 2020, 10, 205. | 1.8 | 24 |
| 24 | Electrochemical-Based Biosensors: New Diagnosis Platforms for Cardiovascular Disease. <i>Current Medicinal Chemistry</i> , 2020, 27, 2550-2575. | 1.2 | 10 |
| 25 | Green formulation of curcumin loaded lipid-based nanoparticles as a novel carrier for inhibition of post-angioplasty restenosis. <i>Materials Science and Engineering C</i> , 2019, 105, 110037. | 3.8 | 17 |
| 26 | Functional biological pacemaker generation by T-Box18 protein expression via stem cell and viral delivery approaches in a murine model of complete heart block. <i>Pharmacological Research</i> , 2019, 141, 443-450. | 3.1 | 19 |
| 27 | Cardiovascular stents: overview, evolution, and next generation. <i>Progress in Biomaterials</i> , 2018, 7, 175-205. | 1.8 | 129 |
| 28 | Simultaneous Delivery of Wharton's Jelly Mesenchymal Stem Cells and Insulin-Like Growth Factor-1 in Acute Myocardial Infarction. <i>Iranian Journal of Pharmaceutical Research</i> , 2018, 17, 426-441. | 0.3 | 8 |
| 29 | Effective attenuation of vascular restenosis following local delivery of chitosan decorated sirolimus liposomes. <i>Carbohydrate Polymers</i> , 2017, 157, 1461-1469. | 5.1 | 27 |
| 30 | Evaluating the role of autologous mesenchymal stem cell seeded on decellularized pericardium in the treatment of myocardial infarction: an animal study. <i>Cell and Tissue Banking</i> , 2017, 18, 527-538. | 0.5 | 14 |
| 31 | A combined registration and finite element analysis method for fast estimation of intraoperative brain shift; phantom and animal model study. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2017, 13, e1792. | 1.2 | 8 |
| 32 | Regenerating Heart Using a Novel Compound and Human Wharton Jelly Mesenchymal Stem Cells. <i>Archives of Medical Research</i> , 2017, 48, 228-237. | 1.5 | 26 |
| 33 | Physicochemical characteristics of liposomes are decisive for their antirestenosis efficacy following local delivery. <i>Nanomedicine</i> , 2017, 12, 131-145. | 1.7 | 11 |
| 34 | Effects of Endothelial and Mesenchymal Stem Cells on Improving Myocardial Function in a Sheep Animal Model. <i>The Journal of Tehran Heart Center</i> , 2017, 12, 65-71. | 0.3 | 8 |
| 35 | Effect of supplementary zinc on orthodontic tooth movement in a rat model. <i>Dental Press Journal of Orthodontics</i> , 2016, 21, 45-50. | 0.2 | 6 |
| 36 | The Semelil (ANGIPARSâ,ç) ameliorates cardiac functional disturbances after experimental chronic myocardial infarction model in rabbit. <i>Comparative Clinical Pathology</i> , 2016, 25, 1247-1252. | 0.3 | 0 |

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|----|--|-----|-----------|
| 37 | Antibacterial performance and in vivo diabetic wound healing of curcumin loaded gum tragacanth/poly(ϵ -caprolactone) electrospun nanofibers. <i>Materials Science and Engineering C</i> , 2016, 69, 1183-1191. | 3.8 | 234 |
| 38 | Aortic valve conduit implantation in the descending thoracic aorta in a sheep model: The outcomes of pre-seeded scaffold. <i>International Journal of Surgery</i> , 2016, 28, 97-105. | 1.1 | 24 |
| 39 | Effect of novel blend nanofibrous scaffolds on diabetic wounds healing. <i>IET Nanobiotechnology</i> , 2016, 10, 1-7. | 1.9 | 39 |
| 40 | Anti-hyperlipidemic and anti-atherosclerotic effects of <i>Pinus eldarica</i> Medw. nut in hypercholesterolemic rabbits. <i>DARU, Journal of Pharmaceutical Sciences</i> , 2015, 23, 32. | 0.9 | 18 |
| 41 | Efficacy of the hatching event in assessing the embryo toxicity of the nano-sized TiO ₂ particles in zebrafish: A comparison between two different classes of hatching-derived variables. <i>Ecotoxicology and Environmental Safety</i> , 2015, 116, 121-128. | 2.9 | 77 |
| 42 | Tissue engineered poly(ϵ -caprolactone)- χ -chitosan-poly(vinyl alcohol) nanofibrous scaffolds for burn and cutting wound healing. <i>IET Nanobiotechnology</i> , 2014, 8, 123-131. | 1.9 | 45 |
| 43 | Dynamic induction of pro-angiogenic milieu after transplantation of marrow-derived mesenchymal stem cells in experimental myocardial infarction. <i>International Journal of Cardiology</i> , 2014, 173, 453-466. | 0.8 | 75 |
| 44 | Induction of angiogenesis via topical delivery of basic-fibroblast growth factor from polyvinyl alcohol-dextran blend hydrogel in an ovine model of acute myocardial infarction. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2013, 7, 697-707. | 1.3 | 41 |
| 45 | Sirolimus-loaded stealth colloidal systems attenuate neointimal hyperplasia after balloon injury: A comparison of phospholipid micelles and liposomes. <i>International Journal of Pharmaceutics</i> , 2013, 455, 320-330. | 2.6 | 34 |
| 46 | PEGylated estradiol benzoate liposomes as a potential local vascular delivery system for treatment of restenosis. <i>Journal of Microencapsulation</i> , 2012, 29, 83-94. | 1.2 | 16 |
| 47 | Feasibility and safety of transglottic bronchoscopy in mechanically ventilated sheep. <i>Journal of Anesthesia</i> , 2012, 26, 525-530. | 0.7 | 2 |
| 48 | Amelioration of cardio-respiratory perturbations following <i>Mesobuthus eupeus</i> envenomation in anesthetized rabbits with commercial polyvalent F(ab ϵ) ₂ antivenom. <i>Toxicon</i> , 2012, 59, 249-256. | 0.8 | 9 |
| 49 | A comparative study of recombinant human basic fibroblast growth factor (bFGF) and erythropoietin (EPO) in prevention of skin flap ischemic necrosis in rats. <i>Archives of Iranian Medicine</i> , 2012, 15, 553-6. | 0.2 | 13 |
| 50 | Use of remote film loading methodology to entrap sirolimus into liposomes: Preparation, characterization and in vivo efficacy for treatment of restenosis. <i>International Journal of Pharmaceutics</i> , 2011, 414, 16-27. | 2.6 | 44 |
| 51 | Effect of DETA-NONOate and papaverine on vasodilation of human internal mammary artery. <i>Canadian Journal of Physiology and Pharmacology</i> , 2011, 89, 945-951. | 0.7 | 8 |
| 52 | Perivascular Nitric Oxide Delivery to Saphenous Vein Grafts Prevents Graft Stenosis after Coronary Artery Bypass Grafting: A Novel Sheep Model. <i>Cardiology</i> , 2011, 118, 8-15. | 0.6 | 12 |
| 53 | A Novel Approach for Repairing of Intestinal Fistula Using chitosan hydrogel. <i>Journal of Biomaterials Applications</i> , 2010, 24, 545-553. | 1.2 | 3 |
| 54 | Potential Link of Microalbuminuria with Metabolic Syndrome in Patients Undergoing Coronary Angiography. <i>Archives of Medical Research</i> , 2009, 40, 399-405. | 1.5 | 8 |

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|----|---|-----|-----------|
| 55 | Atherosclerosis and Vascular Injury: The Effect of a Perivascular Nitric Oxide Donor in a Cholesterol-Fed Rabbit Model. <i>Annals of Vascular Surgery</i> , 2009, 23, 392-397. | 0.4 | 3 |
| 56 | Effect of opium on glucose metabolism and lipid profiles in rats with streptozotocin-induced diabetes. <i>Endokrynologia Polska</i> , 2009, 60, 258-62. | 0.3 | 15 |
| 57 | DEVELOPMENT OF AN OVINE MODEL OF MYOCARDIAL INFARCTION. <i>ANZ Journal of Surgery</i> , 2008, 78, 78-81. | 0.3 | 11 |
| 58 | The similar effect of transplantation of marrow-derived mesenchymal stem cells with or without prior differentiation induction in experimental myocardial infarction. <i>Journal of Biomedical Science</i> , 2007, 14, 745-755. | 2.6 | 33 |
| 59 | ATP-Sensitive Potassium Channels Mediate the Anti-Ischemic Properties of Ischemic and Pharmacologic Preconditioning in Rat Random-Pattern Skin Flap. <i>Annals of Plastic Surgery</i> , 2006, 57, 94-99. | 0.5 | 15 |
| 60 | Preconditioning of the rat random-pattern skin flap: modulation by opioids. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2005, 58, 58-64. | 1.1 | 26 |
| 61 | Long-Term Evaluation of Laser-Treated Silicone (LTS) Membrane as a Pericardial Substitute: In Vivo Study. <i>Journal of Long-Term Effects of Medical Implants</i> , 2005, 15, 347-354. | 0.2 | 6 |