Shahram Rabbani

List of Publications by Year
in descending order

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61	1,559	331259	329751
papers	citations	21 h-index	37 g-index

62	62	62	2649
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Antibacterial performance and in vivo diabetic wound healing of curcumin loaded gum tragacanth/poly(Îµ-caprolactone) electrospun nanofibers. Materials Science and Engineering C, 2016, 69, 1183-1191.	3.8	234
2	Cardiovascular stents: overview, evolution, and next generation. Progress in Biomaterials, 2018, 7, 175-205.	1.8	129
3	Self-powered cardiac pacemaker by piezoelectric polymer nanogenerator implant. Nano Energy, 2021, 83, 105781.	8.2	111
4	Exosomes as a next-generation drug delivery system: An update on drug loading approaches, characterization, and clinical application challenges. Acta Biomaterialia, 2020, 113, 42-62.	4.1	105
5	Efficacy of the hatching event in assessing the embryo toxicity of the nano-sized TiO2 particles in zebrafish: A comparison between two different classes of hatching-derived variables. Ecotoxicology and Environmental Safety, 2015, 116, 121-128.	2.9	77
6	Dynamic induction of pro-angiogenic milieu after transplantation of marrow-derived mesenchymal stem cells in experimental myocardial infarction. International Journal of Cardiology, 2014, 173, 453-466.	0.8	75
7	Tissue engineered poly(caprolactone)â€chitosanâ€poly(vinyl alcohol) nanofibrous scaffolds for burn and cutting wound healing. IET Nanobiotechnology, 2014, 8, 123-131.	1.9	45
8	Use of remote film loading methodology to entrap sirolimus into liposomes: Preparation, characterization and in vivo efficacy for treatment of restenosis. International Journal of Pharmaceutics, 2011, 414, 16-27.	2.6	44
9	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. Journal of Tissue Engineering and Regenerative Medicine, 2013, 7, 697-707.	1.3	41
10	An excellent nanofibrous matrix based on gum tragacanth-poly (Æ•caprolactone)-poly (vinyl alcohol) for application in diabetic wound healing. Polymer Degradation and Stability, 2020, 174, 109105.	2.7	41
11	Effect of novel blend nanofibrous scaffolds on diabetic wounds healing. IET Nanobiotechnology, 2016, 10, 1-7.	1.9	39
12	A comprehensive systematic review of photocatalytic degradation of pesticides using nano TiO2. Environmental Science and Pollution Research, 2021, 28, 13055-13071.	2.7	35
13	Sirolimus-loaded stealth colloidal systems attenuate neointimal hyperplasia after balloon injury: A comparison of phospholipid micelles and liposomes. International Journal of Pharmaceutics, 2013, 455, 320-330.	2.6	34
14	The similar effect of transplantation of marrow-derived mesenchymal stem cells with or without prior differentiation induction in experimental myocardial infarction. Journal of Biomedical Science, 2007, 14, 745-755.	2.6	33
15	Mesenchymal stem cell-derived extracellular vesicles alone or in conjunction with a SDKP-conjugated self-assembling peptide improve a rat model of myocardial infarction. Biochemical and Biophysical Research Communications, 2020, 524, 903-909.	1.0	33
16	Effective attenuation of vascular restenosis following local delivery of chitosan decorated sirolimus liposomes. Carbohydrate Polymers, 2017, 157, 1461-1469.	5.1	27
17	Preconditioning of the rat random-pattern skin flap: modulation by opioids. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2005, 58, 58-64.	1.1	26
18	Regenerating Heart Using a Novel Compound and Human Wharton Jelly Mesenchymal Stem Cells. Archives of Medical Research, 2017, 48, 228-237.	1.5	26

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19	Development of poly (mannitol sebacate)/poly (lactic acid) nanofibrous scaffolds with potential applications in tissue engineering. Materials Science and Engineering C, 2020, 110, 110626.	3.8	26
20	Aortic valve conduit implantation in the descending thoracic aorta in a sheep model: The outcomes of pre-seeded scaffold. International Journal of Surgery, 2016, 28, 97-105.	1.1	24
21	A Cell-Free SDKP-Conjugated Self-Assembling Peptide Hydrogel Sufficient for Improvement of Myocardial Infarction. Biomolecules, 2020, 10, 205.	1.8	24
22	Functional biological pacemaker generation by T-Box18 protein expression via stem cell and viral delivery approaches in a murine model of complete heart block. Pharmacological Research, 2019, 141, 443-450.	3.1	19
23	Cartilage tissue engineering by co-transplantation of chondrocyte extracellular vesicles and mesenchymal stem cells, entrapped in chitosanâ€“hyaluronic acid hydrogel. Biomedical Materials (Bristol), 2021, 16, 055003.	1.7	19
24	Anti-hyperlipidemic and anti-atherosclerotic effects of Pinus eldarica Medw. nut in hypercholesterolemic rabbits. DARU, Journal of Pharmaceutical Sciences, 2015, 23, 32.	0.9	18
25	Green formulation of curcumin loaded lipid-based nanoparticles as a novel carrier for inhibition of post-angioplasty restenosis. Materials Science and Engineering C, 2019, 105, 110037.	3.8	17
26	PEGylated estradiol benzoate liposomes as a potential local vascular delivery system for treatment of restenosis. Journal of Microencapsulation, 2012, 29, 83-94.	1.2	16
27	ATP-Sensitive Potassium Channels Mediate the Anti-Ischemic Properties of Ischemic and Pharmacologic Preconditioning in Rat Random-Pattern Skin Flap. Annals of Plastic Surgery, 2006, 57, 94-99.	0.5	15
28	Effect of opium on glucose metabolism and lipid profiles in rats with streptozotocin-induced diabetes. Endokrynologia Polska, 2009, 60, 258-62.	0.3	15
29	Evaluating the role of autologous mesenchymal stem cell seeded on decellularized pericardium in the treatment of myocardial infarction: an animal study. Cell and Tissue Banking, 2017, 18, 527-538.	0.5	14
30	Cartilage tissue engineering using injectable functionalized Demineralized Bone Matrix scaffold with glucosamine in PVA carrier, cultured in microbioreactor prior to study in rabbit model. Materials Science and Engineering C, 2021, 120, 111677.	3.8	13
31	A comparative study of recombinant human basic fibroblast growth factor (bFGF) and erythropoietin (EPO) in prevention of skin flap ischemic necrosis in rats. Archives of Iranian Medicine, 2012, 15, 553-6.	0.2	13
32	Perivascular Nitric Oxide Delivery to Saphenous Vein Grafts Prevents Graft Stenosis after Coronary Artery Bypass Grafting: A Novel Sheep Model. Cardiology, 2011, 118, 8-15.	0.6	12
33	DEVELOPMENT OF AN OVINE MODEL OF MYOCARDIAL INFARCTION. ANZ Journal of Surgery, 2008, 78, 78-81.	0.3	11
34	Physicochemical characteristics of liposomes are decisive for their antirestenosis efficacy following local delivery. Nanomedicine, 2017, 12, 131-145.	1.7	11
35	Electrochemical-Based Biosensors: New Diagnosis Platforms for Cardiovascular Disease. Current Medicinal Chemistry, 2020, 27, 2550-2575.	1.2	10
36	Amelioration of cardio-respiratory perturbations following Mesobuthus eupeus envenomation in anesthetized rabbits with commercial polyvalent F(abâ€²)2 antivenom. Toxicon, 2012, 59, 249-256.	0.8	9

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37	Targeted and Controlled Drug Delivery to a Rat Model of Heart Failure Through a Magnetic Nanocomposite. Annals of Biomedical Engineering, 2020, 48, 709-721.	1.3	9
38	Potential Link of Microalbuminuria with Metabolic Syndrome in Patients Undergoing Coronary Angiography. Archives of Medical Research, 2009, 40, 399-405.	1.5	8
39	Effect of DETA-NONOate and papaverine on vasodilation of human internal mammary artery. Canadian Journal of Physiology and Pharmacology, 2011, 89, 945-951.	0.7	8
40	A combined registration and finite element analysis method for fast estimation of intraoperative brain shift; phantom and animal model study. International Journal of Medical Robotics and Computer Assisted Surgery, 2017, 13, e1792.	1.2	8
41	Combined therapy of mesenchymal stem cells with a GLP-1 receptor agonist, liraglutide, on an inflammatory-mediated diabetic non-human primate model. Life Sciences, 2021, 276, 119374.	2.0	8
42	Effects of Endothelial and Mesenchymal Stem Cells on Improving Myocardial Function in a Sheep Animal Model. The Journal of Tehran Heart Center, 2017, 12, 65-71.	0.3	8
43	Simultaneous Delivery of Wharton's Jelly Mesenchymal Stem Cells and Insulin-Like Growth Factor-1 in Acute Myocardial Infarction. Iranian Journal of Pharmaceutical Research, 2018, 17, 426-441.	0.3	8
44	Curcumin polymeric membranes for postoperative peritoneal adhesion: Comparison of nanofiber vs. film and phospholipid-enriched vs. non-enriched formulations. International Journal of Pharmaceutics, 2022, 614, 121434.	2.6	8
45	Effect of supplementary zinc on orthodontic tooth movement in a rat model. Dental Press Journal of Orthodontics, 2016, 21, 45-50.	0.2	6
46	Long-Term Evaluation of Laser-Treated Silicone (LTS) Membrane as a Pericardial Substitute: In Vivo Study. Journal of Long-Term Effects of Medical Implants, 2005, 15, 347-354.	0.2	6
47	Treatment of diabetic mice by microfluidic system-assisted transplantation of stem cells-derived insulin-producing cells transduced with miRNA. Life Sciences, 2021, 274, 119338.	2.0	5
48	In vitro and in vivo study of carboxymethyl chitosan/polyvinyl alcohol for wound dressing application. Journal of Applied Polymer Science, 2022, 139, 51764.	1.3	5
49	Pre-vascularization Approaches for Heart Tissue Engineering. Regenerative Engineering and Translational Medicine, 2021, 7, 450-459.	1.6	4
50	Vascular endothelial growth factor sustained delivery augmented cell therapy outcomes of cardiac progenitor cells for myocardial infarction. Journal of Tissue Engineering and Regenerative Medicine, 2020, 14, 1939-1944.	1.3	4
51	Prevention of abdominal adhesion by aÂpolycaprolactone/phospholipid hybrid film containing quercetin and silver nanoparticles. Nanomedicine, 2021, 16, 2449-2464.	1.7	4
52	Atherosclerosis and Vascular Injury: The Effect of a Perivascular Nitric Oxide Donor in a Cholesterol-Fed Rabbit Model. Annals of Vascular Surgery, 2009, 23, 392-397.	0.4	3
53	A Novel Approach for Repairing of Intestinal Fistula Using chitosan hydrogel. Journal of Biomaterials Applications, 2010, 24, 545-553.	1.2	3
54	MicroRNAâ€‘331 inhibits isoproterenolâ€‘induced expression of profibrotic genes in cardiac myofibroblasts via the TGFÎ²/smad3 signaling pathway. Scientific Reports, 2021, 11, 2548.	1.6	3

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55	Review Insights In Cardiac Tissue Engineering: Cells, Scaffolds, and Pharmacological Agents.. Iranian Journal of Pharmaceutical Research, 2021, 20, 467-496.	0.3	3
56	Feasibility and safety of transglottic bronchoscopy in mechanically ventilated sheep. Journal of Anesthesia, 2012, 26, 525-530.	0.7	2
57	Comparison of the Toxic Effects of Pristine and Photocatalytically Used TiO2 Nanoparticles in Mice. Biological Trace Element Research, 2021, , 1.	1.9	2
58	Stem cells and heart tissue regeneration. , 2020, , 47-70.		1
59	Oxygen-rich Environment Ameliorates Cell Therapy Outcomes of Cardiac Progenitor Cells for Myocardial Infarction. Materials Science and Engineering C, 2021, 121, 111836.	3.8	1
60	The Effect of Bulk Electrospun Polycaprolactone-graphene Oxide Scaffold on the Healing of Defected Femur Cartilage on a Rabbit Model. Fibers and Polymers, 2021, 22, 1247-1255.	1.1	1
61	The Semelil (ANGIPARSâ„¢) ameliorates cardiac functional disturbances after experimental chronic myocardial infarction model in rabbit. Comparative Clinical Pathology, 2016, 25, 1247-1252.	0.3	0