

Mohammad Ali Shokrgozar

List of Publications by Citations

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285
papers

8,492
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77
g-index

294
ext. papers

9,484
ext. citations

4.3
avg, IF

6.18
L-index

#	Paper	IF	Citations
285	Toxicity evaluations of superparamagnetic iron oxide nanoparticles: cell "vision" versus physicochemical properties of nanoparticles. <i>ACS Nano</i> , 2011 , 5, 7263-76	16.7	281
284	Effect of nanoparticles on the cell life cycle. <i>Chemical Reviews</i> , 2011 , 111, 3407-32	68.1	264
283	Temperature: the "ignored" factor at the NanoBio interface. <i>ACS Nano</i> , 2013 , 7, 6555-62	16.7	253
282	Silk fibroin nanoparticle as a novel drug delivery system. <i>Journal of Controlled Release</i> , 2015 , 206, 161-76	11.7	227
281	A new approach for the in vitro identification of the cytotoxicity of superparamagnetic iron oxide nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010 , 75, 300-9	6	227
280	Silk fibroin/hydroxyapatite composites for bone tissue engineering. <i>Biotechnology Advances</i> , 2018 , 36, 68-91	17.8	224
279	Enhanced mechanical properties of thermosensitive chitosan hydrogel by silk fibers for cartilage tissue engineering. <i>Materials Science and Engineering C</i> , 2013 , 33, 4786-94	8.3	173
278	Cell "vision": complementary factor of protein corona in nanotoxicology. <i>Nanoscale</i> , 2012 , 4, 5461-8	7.7	133
277	In vitro cardiomyogenic potential of human umbilical vein-derived mesenchymal stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2006 , 340, 639-47	3.4	127
276	Superparamagnetic iron oxide nanoparticles: promises for diagnosis and treatment of multiple sclerosis. <i>ACS Chemical Neuroscience</i> , 2011 , 2, 118-40	5.7	124
275	Importance of dual delivery systems for bone tissue engineering. <i>Journal of Controlled Release</i> , 2016 , 225, 152-69	11.7	113
274	Microfluidic assisted self-assembly of chitosan based nanoparticles as drug delivery agents. <i>Lab on A Chip</i> , 2013 , 13, 204-7	7.2	106
273	The effect of poly(ethylene glycol) coating on colloidal stability of superparamagnetic iron oxide nanoparticles as potential MRI contrast agent. <i>International Journal of Pharmaceutics</i> , 2012 , 433, 129-41	6.5	103
272	Synthesis and characterization of antibacterial polyurethane coatings from quaternary ammonium salts functionalized soybean oil based polyols. <i>Materials Science and Engineering C</i> , 2013 , 33, 153-64	8.3	102
271	Silk as a potential candidate for bone tissue engineering. <i>Journal of Controlled Release</i> , 2015 , 215, 112-28	11.7	100
270	Nanoclay-reinforced electrospun chitosan/PVA nanocomposite nanofibers for biomedical applications. <i>RSC Advances</i> , 2015 , 5, 10479-10487	3.7	99
269	Preparation and characterization of polyvinyl alcohol hydrogels crosslinked by biodegradable polyurethane for tissue engineering of cartilage. <i>Materials Science and Engineering C</i> , 2010 , 30, 636-643	8.3	96

268	Irreversible changes in protein conformation due to interaction with superparamagnetic iron oxide nanoparticles. <i>Nanoscale</i> , 2011 , 3, 1127-38	7.7	95
267	Experimental Study of Heat Transfer of a Car Radiator with CuO/Ethylene Glycol-Water as a Coolant. <i>Journal of Dispersion Science and Technology</i> , 2014 , 35, 677-684	1.5	94
266	The influence of surface nanoroughness of electrospun PLGA nanofibrous scaffold on nerve cell adhesion and proliferation. <i>Journal of Materials Science: Materials in Medicine</i> , 2013 , 24, 1551-60	4.5	89
265	Cell-imprinted substrates direct the fate of stem cells. <i>ACS Nano</i> , 2013 , 7, 8379-84	16.7	89
264	Generation of functional hepatocyte-like cells from human pluripotent stem cells in a scalable suspension culture. <i>Stem Cells and Development</i> , 2013 , 22, 2693-705	4.4	88
263	Fabrication of porous chitosan/poly(vinyl alcohol) reinforced single-walled carbon nanotube nanocomposites for neural tissue engineering. <i>Journal of Biomedical Nanotechnology</i> , 2011 , 7, 276-84	4	86
262	Effects of cyclic stretch on proliferation of mesenchymal stem cells and their differentiation to smooth muscle cells. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 388, 601-5	3.4	84
261	On-Chip Fabrication of Paclitaxel-Loaded Chitosan Nanoparticles for Cancer Therapeutics. <i>Advanced Functional Materials</i> , 2014 , 24, 432-441	15.6	82
260	Multiphysics Flow Modeling and in Vitro Toxicity of Iron Oxide Nanoparticles Coated with Poly(vinyl alcohol). <i>Journal of Physical Chemistry C</i> , 2009 , 113, 2322-2331	3.8	80
259	A biosynthetic nerve guide conduit based on silk/SWNT/fibronectin nanocomposite for peripheral nerve regeneration. <i>PLoS ONE</i> , 2013 , 8, e74417	3.7	78
258	Bio-hybrid silk fibroin/calcium phosphate/PLGA nanocomposite scaffold to control the delivery of vascular endothelial growth factor. <i>Materials Science and Engineering C</i> , 2014 , 35, 401-10	8.3	76
257	Neutrophil gelatinase-associated lipocalin acts as a protective factor against H ₂ O ₂ toxicity. <i>Archives of Medical Research</i> , 2008 , 39, 560-6	6.6	75
256	Preparation and characterization of novel functionalized multiwalled carbon nanotubes/chitosan/EGlycerophosphate scaffolds for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2017 , 97, 365-372	7.9	71
255	Electrospun poly(hydroxybutyrate)/chitosan blend fibrous scaffolds for cartilage tissue engineering. <i>Journal of Applied Polymer Science</i> , 2016 , 133,	2.9	65
254	Plasma concentration gradient influences the protein corona decoration on nanoparticles. <i>RSC Advances</i> , 2013 , 3, 1119-1126	3.7	63
253	Evaluation of protective effect of recombinant dense granule antigens GRA2 and GRA6 formulated in monophosphoryl lipid A (MPL) adjuvant against <i>Toxoplasma</i> chronic infection in mice. <i>Vaccine</i> , 2007 , 25, 4301-11	4.1	63
252	Sustained release of platelet-derived growth factor and vascular endothelial growth factor from silk/calcium phosphate/PLGA based nanocomposite scaffold. <i>International Journal of Pharmaceutics</i> , 2013 , 454, 216-25	6.5	59
251	Evaluation of silibinin on the viability, migration and adhesion of the human prostate adenocarcinoma (PC-3) cell line. <i>Cell Biology International</i> , 2008 , 32, 888-92	4.5	57

250	Regulation of stem cell fate by nanomaterial substrates. <i>Nanomedicine</i> , 2015 , 10, 829-47	5.6	56
249	Cell-imprinted substrates act as an artificial niche for skin regeneration. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 13280-92	9.5	55
248	Promotion of spinal cord axon regeneration by 3D nanofibrous core-sheath scaffolds. <i>Journal of Biomedical Materials Research - Part A</i> , 2014 , 102, 506-13	5.4	54
247	Enhancement of neural cell lines proliferation using nano-structured chitosan/poly(vinyl alcohol) scaffolds conjugated with nerve growth factor. <i>Carbohydrate Polymers</i> , 2011 , 86, 526-535	10.3	54
246	Culture of human gingival fibroblasts on a biodegradable scaffold and evaluation of its effect on attached gingiva: a randomized, controlled pilot study. <i>Journal of Periodontology</i> , 2007 , 78, 1897-903	4.6	54
245	Engineering parameters in bioreactor's design: a critical aspect in tissue engineering. <i>BioMed Research International</i> , 2013 , 2013, 762132	3	53
244	Fabrication and characterization of poly(D,L-lactide-co-glycolide)/hydroxyapatite nanocomposite scaffolds for bone tissue regeneration. <i>Journal of Biomedical Materials Research - Part A</i> , 2010 , 94, 137-45	5.4	52
243	Hybrid cross-linked hydrogels based on fibrous protein/block copolymers and layered silicate nanoparticles: tunable thermosensitivity, biodegradability and mechanical durability. <i>RSC Advances</i> , 2016 , 6, 62944-62957	3.7	51
242	Slight temperature changes affect protein affinity and cellular uptake/toxicity of nanoparticles. <i>Nanoscale</i> , 2013 , 5, 3240-4	7.7	50
241	Investigation of biphasic calcium phosphate/gelatin nanocomposite scaffolds as a bone tissue engineering. <i>Ceramics International</i> , 2010 , 36, 2421-2426	5.1	50
240	Novel layered double hydroxides-hydroxyapatite/gelatin bone tissue engineering scaffolds: Fabrication, characterization, and in vivo study. <i>Materials Science and Engineering C</i> , 2017 , 76, 701-714	8.3	49
239	Lipocalin 2 regulation by thermal stresses: protective role of Lcn2/NGAL against cold and heat stresses. <i>Experimental Cell Research</i> , 2009 , 315, 3140-51	4.2	49
238	Atomic force microscope-based single cell force spectroscopy of breast cancer cell lines: an approach for evaluating cellular invasion. <i>Journal of Biomechanics</i> , 2014 , 47, 3373-9	2.9	48
237	Characterization of poly(3-hydroxybutyrate)/nano-hydroxyapatite composite scaffolds fabricated without the use of organic solvents for bone tissue engineering applications. <i>Materials Science and Engineering C</i> , 2012 , 32, 416-422	8.3	48
236	Physiological temperature has a crucial role in amyloid β in the absence and presence of hydrophobic and hydrophilic nanoparticles. <i>ACS Chemical Neuroscience</i> , 2013 , 4, 375-8	5.7	48
235	T cells expressing VHH-directed oligoclonal chimeric HER2 antigen receptors: towards tumor-directed oligoclonal T cell therapy. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014 , 1840, 378-86	4	47
234	Hydrothermal synthesis and characterization of hydroxyapatite and fluorhydroxyapatite nano-size powders. <i>Biomedical Materials (Bristol)</i> , 2010 , 5, 045004	3.5	47
233	Cytotoxicity and Cell Cycle Effects of Bare and Poly(vinyl alcohol)-Coated Iron Oxide Nanoparticles in Mouse Fibroblasts. <i>Advanced Engineering Materials</i> , 2009 , 11, B243-B250	3.5	47

232	Enumeration of hepatitis B surface antigen-specific B lymphocytes in responder and non-responder normal individuals vaccinated with recombinant hepatitis B surface antigen. <i>Immunology</i> , 2001 , 104, 75-9	7.8	46
231	Biomimetic modified clinical-grade POSS-PCU nanocomposite polymer for bypass graft applications: a preliminary assessment of endothelial cell adhesion and haemocompatibility. <i>Materials Science and Engineering C</i> , 2015 , 46, 400-8	8.3	45
230	Genetically engineered T cells bearing chimeric nanoconstructed receptors harboring TAG-72-specific camelid single domain antibodies as targeting agents. <i>Cancer Letters</i> , 2013 , 334, 237-44	9.9	45
229	Injectable in situ forming drug delivery system based on poly(epsilon-caprolactone fumarate) for tamoxifen citrate delivery: Gelation characteristics, in vitro drug release and anti-cancer evaluation. <i>Acta Biomaterialia</i> , 2009 , 5, 1966-78	10.8	44
228	Neutrophil gelatinase-associated lipocalin induces the expression of heme oxygenase-1 and superoxide dismutase 1, 2. <i>Cell Stress and Chaperones</i> , 2010 , 15, 395-403	4	44
227	Prospects of peripheral nerve tissue engineering using nerve guide conduits based on silk fibroin protein and other biopolymers. <i>International Materials Reviews</i> , 2017 , 62, 367-391	16.1	43
226	Fabrication and Characterization of Core-Shell Electrospun Fibrous Mats Containing Medicinal Herbs for Wound Healing and Skin Tissue Engineering. <i>Marine Drugs</i> , 2019 , 17,	6	42
225	Targeting high affinity and epitope-distinct oligoclonal nanobodies to HER2 over-expressing tumor cells. <i>Experimental Cell Research</i> , 2012 , 318, 1112-24	4.2	41
224	Virulence of four <i>Beauveria bassiana</i> (Balsamo) (Asc., Hypocreales) isolates on rose sawfly, <i>Arga rosae</i> under laboratory condition. <i>Journal of King Saud University - Science</i> , 2015 , 27, 49-53	3.6	40
223	Cell-Imprinted Substrates Modulate Differentiation, Redifferentiation, and Transdifferentiation. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 13777-84	9.5	40
222	Inhibition of silibinin on migration and adhesion capacity of human highly metastatic breast cancer cell line, MDA-MB-231, by evaluation of β -integrin and downstream molecules, Cdc42, Raf-1 and D4GDI. <i>Medical Oncology</i> , 2012 , 29, 2512-8	3.7	40
221	Design and synthesis of novel polyglycerol hybrid nanomaterials for potential applications in drug delivery systems. <i>Macromolecular Bioscience</i> , 2011 , 11, 383-90	5.5	40
220	Synthesis and biocompatibility evaluation of cellulose/hydroxyapatite nanocomposite scaffold in 1-n-allyl-3-methylimidazolium chloride. <i>Materials Science and Engineering C</i> , 2011 , 31, 954-961	8.3	40
219	Fabrication of nano-structured electrospun collagen scaffold intended for nerve tissue engineering. <i>Journal of Materials Science: Materials in Medicine</i> , 2011 , 22, 1555-67	4.5	39
218	IL-2, IFN-gamma, and IL-12 gene polymorphisms and susceptibility to multiple sclerosis. <i>Journal of Clinical Immunology</i> , 2009 , 29, 747-51	5.7	39
217	Multifunctional stable fluorescent magnetic nanoparticles. <i>Chemical Communications</i> , 2012 , 48, 3957-9	5.8	38
216	The evaluation of cyclic uniaxial strain on myogenic differentiation of adipose-derived stem cells. <i>Tissue and Cell</i> , 2011 , 43, 359-66	2.7	38
215	Piezoelectric electrospun nanocomposite comprising Au NPs/PVDF for nerve tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2017 , 105, 1984-1993	5.4	36

214	Fabrication of Nanofibrous PVA/Alginate-Sulfate Substrates for Growth Factor Delivery. <i>Journal of Biomedical Materials Research - Part A</i> , 2019 , 107, 403-413	5.4	36
213	In vitro biocompatibility evaluations of hyperbranched polyglycerol hybrid nanostructure as a candidate for nanomedicine applications. <i>Journal of Materials Science: Materials in Medicine</i> , 2014 , 25, 499-506	4.5	35
212	Antiepileptogenic and anticonvulsant activity of interleukin-1 beta in amygdala-kindled rats. <i>Experimental Neurology</i> , 2005 , 191, 145-53	5.7	35
211	Inducible VEGF expression by human embryonic stem cell-derived mesenchymal stromal cells reduces the minimal islet mass required to reverse diabetes. <i>Scientific Reports</i> , 2015 , 5, 9322	4.9	32
210	Biological Evaluation (In Vitro and In Vivo) of Bilayered Collagenous Coated (Nano Electrospun and Solid Wall) Chitosan Membrane for Periodontal Guided Bone Regeneration. <i>Annals of Biomedical Engineering</i> , 2016 , 44, 2132-44	4.7	31
209	Ultrasonic-assisted synthesis of magnetite based MRI contrast agent using cysteine as the biocapping coating. <i>Materials Chemistry and Physics</i> , 2011 , 131, 170-177	4.4	31
208	PCR-based detection and eradication of mycoplasmal infections from various mammalian cell lines: a local experience. <i>Cytotechnology</i> , 2009 , 61, 117-24	2.2	30
207	Effects of cyclic stretch waveform on endothelial cell morphology using fractal analysis. <i>Artificial Organs</i> , 2010 , 34, 481-90	2.6	30
206	Thermoplastic starch/ethylene vinyl alcohol/forsterite nanocomposite as a candidate material for bone tissue engineering. <i>Materials Science and Engineering C</i> , 2016 , 69, 301-10	8.3	29
205	Biological evaluation of polyvinyl alcohol hydrogel crosslinked by polyurethane chain for cartilage tissue engineering in rabbit model. <i>Journal of Materials Science: Materials in Medicine</i> , 2013 , 24, 2449-60	4.5	29
204	Fabrication of biocompatible titanium scaffolds using space holder technique. <i>Journal of Materials Science: Materials in Medicine</i> , 2012 , 23, 2483-8	4.5	29
203	IL-1, IL-1R and TNFalpha gene polymorphisms in Iranian patients with multiple sclerosis. <i>Iranian Journal of Allergy, Asthma and Immunology</i> , 2008 , 7, 37-40	1.1	29
202	Structural and functional changes of silk fibroin scaffold due to hydrolytic degradation. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	28
201	Novel biotinylated chitosan-graft-polyethyleneimine copolymer as a targeted non-viral vector for anti-EGF receptor siRNA delivery in cancer cells. <i>International Journal of Pharmaceutics</i> , 2013 , 456, 408-16	6.5	28
200	Release behavior and signaling effect of vitamin D3 in layered double hydroxides-hydroxyapatite/gelatin bone tissue engineering scaffold: An in vitro evaluation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 158, 697-708	6	28
199	Intranasal immunization with fusion protein MrpH-FimH and MPL adjuvant confers protection against urinary tract infections caused by uropathogenic Escherichia coli and Proteus mirabilis. <i>Molecular Immunology</i> , 2015 , 64, 285-94	4.3	28
198	Silibinin inhibits invasive properties of human glioblastoma U87MG cells through suppression of cathepsin B and nuclear factor kappa B-mediated induction of matrix metalloproteinase 9. <i>Anti-Cancer Drugs</i> , 2010 , 21, 252-60	2.4	28
197	Folic acid conjugated nanoliposomes as promising carriers for targeted delivery of bleomycin. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018 , 46, 757-763	6.1	27

196	MiR-17-92 cluster: an apoptosis inducer or proliferation enhancer. <i>Molecular and Cellular Biochemistry</i> , 2013 , 380, 229-38	4.2	27
195	Nanodiamonds for surface engineering of orthopedic implants: Enhanced biocompatibility in human osteosarcoma cell culture. <i>Diamond and Related Materials</i> , 2013 , 40, 107-114	3.5	27
194	Upregulation of neutrophil gelatinase-associated lipocalin, NGAL/Lcn2, in beta-thalassemia patients. <i>Archives of Medical Research</i> , 2008 , 39, 402-7	6.6	27
193	Physical and Biological Modification of Polycaprolactone Electrospun Nanofiber by Panax Ginseng Extract for Bone Tissue Engineering Application. <i>Annals of Biomedical Engineering</i> , 2016 , 44, 1808-20	4.7	26
192	Effect of starch content on the biodegradation of polycaprolactone/starch composite for fabricating in situ pore-forming scaffolds. <i>Polymer Testing</i> , 2015 , 43, 94-102	4.5	26
191	Simple and robust fabrication and characterization of conductive carbonized nanofibers loaded with gold nanoparticles for bone tissue engineering applications. <i>Materials Science and Engineering C</i> , 2020 , 117, 111226	8.3	26
190	Modification of PCL Electrospun Nanofibrous Mat With Calendula officinalis Extract for Improved Interaction With Cells. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2015 , 64, 459-464	3	26
189	Autologous dendritic cells loaded with apoptotic tumor cells induce T cell-mediated immune responses against breast cancer in vitro. <i>Cellular Immunology</i> , 2009 , 257, 23-31	4.4	26
188	Development of beta-tricalcium phosphate/sol-gel derived bioactive glass composites: physical, mechanical, and in vitro biological evaluations. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2009 , 91, 459-69	3.5	26
187	In silico and in vivo studies of truncated forms of flagellin (FliC) of enteroaggregative Escherichia coli fused to FimH from uropathogenic Escherichia coli as a vaccine candidate against urinary tract infections. <i>Journal of Biotechnology</i> , 2014 , 175, 31-7	3.7	25
186	Mortality response of folate receptor-activated, PEG-functionalized TiO ₂ nanoparticles for doxorubicin loading with and without ultraviolet irradiation. <i>Ceramics International</i> , 2014 , 40, 5481-5488 ^{5.1}	5.1	25
185	Intermittent hydrostatic pressure enhances growth factor-induced chondroinduction of human adipose-derived mesenchymal stem cells. <i>Artificial Organs</i> , 2012 , 36, 1065-71	2.6	25
184	Differential effects of cyclic uniaxial stretch on human mesenchymal stem cell into skeletal muscle cell. <i>Cell Biology International</i> , 2012 , 36, 669-75	4.5	25
183	Hydroxyapatite scaffolds infiltrated with thermally crosslinked polycaprolactone fumarate and polycaprolactone itaconate. <i>Journal of Biomedical Materials Research - Part A</i> , 2011 , 98, 257-67	5.4	25
182	In vitro Therapeutic Effects of Low Level Laser at mRNA Level on the Release of Skin Growth Factors from Fibroblasts in Diabetic Mice. <i>Avicenna Journal of Medical Biotechnology</i> , 2014 , 6, 113-8	1.4	25
181	Porous crosslinked poly(E-caprolactone fumarate)/nanohydroxyapatite composites for bone tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2012 , 100, 1051-60	5.4	24
180	Comparative effectiveness of hand and ultrasonic instrumentations in root surface planing in vitro. <i>Journal of Clinical Periodontology</i> , 2004 , 31, 160-5	7.7	24
179	Subtype specificity of anti-HBs antibodies produced by human B-cell lines isolated from normal individuals vaccinated with recombinant hepatitis B vaccine. <i>Vaccine</i> , 2002 , 20, 2215-20	4.1	24

178	Healing potential of mesenchymal stem cells cultured on a collagen-based scaffold for skin regeneration. <i>Iranian Biomedical Journal</i> , 2012 , 16, 68-76	2	24
177	Terbinafine-loaded wound dressing for chronic superficial fungal infections. <i>Materials Science and Engineering C</i> , 2017 , 73, 130-136	8.3	23
176	Mercury specifically induces LINE-1 activity in a human neuroblastoma cell line. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2014 , 759, 9-20	3	23
175	Particle size modeling and morphology study of chitosan/gelatin/nanohydroxyapatite nanocomposite microspheres for bone tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2013 , 101, 1758-67	5.4	23
174	New circulating genomic variant of Crimean-Congo hemorrhagic fever virus in Iran. <i>Archives of Virology</i> , 2013 , 158, 1085-8	2.6	23
173	Analysis of Healing Effect of Alginate Sulfate Hydrogel Dressing Containing Antimicrobial Peptide on Wound Infection Caused by Methicillin-Resistant Staphylococcus aureus. <i>Jundishapur Journal of Microbiology</i> , 2015 , 8, e28320	1.2	23
172	Long-term investigation on the phase stability, magnetic behavior, toxicity, and MRI characteristics of superparamagnetic Fe/Fe-oxide core/shell nanoparticles. <i>International Journal of Pharmaceutics</i> , 2012 , 439, 28-40	6.5	22
171	Polytope DNA vaccine development against hepatitis C virus: a streamlined approach from in silico design to in vitro and primary in vivo analyses in BALB/c mice. <i>Protein and Peptide Letters</i> , 2009 , 16, 842-50	1.9	22
170	Composite bone substitute materials based on beta-tricalcium phosphate and magnesium-containing sol-gel derived bioactive glass. <i>Journal of Materials Science: Materials in Medicine</i> , 2009 , 20, 2011-7	4.5	22
169	Cheminformatics based selection and cytotoxic effects of herbal extracts. <i>Toxicology in Vitro</i> , 2009 , 23, 1412-21	3.6	22
168	Preparation of a Codelivery System Based on Vancomycin/Silk Scaffold Containing Silk Nanoparticle Loaded VEGF. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 2836-2846	5.5	22
167	Investigating the cytotoxicity of iron oxide nanoparticles in in vivo and in vitro studies. <i>Experimental and Toxicologic Pathology</i> , 2015 , 67, 509-15		21
166	Optimizing parameters on alignment of PCL/PGA nanofibrous scaffold: An artificial neural networks approach. <i>International Journal of Biological Macromolecules</i> , 2015 , 81, 1089-97	7.9	21
165	Synthesis of nano β TCP and the effects on the mechanical and biological properties of β TCP/HDPE/UHMWPE nanocomposites. <i>Polymer Composites</i> , 2010 , 31, 1745-1753	3	21
164	A potential association between Helicobacter pylori CagA EPIYA and multimerization motifs with cytokeratin 18 cleavage rate during early apoptosis. <i>Helicobacter</i> , 2012 , 17, 350-7	4.9	20
163	Biocompatibility evaluation of HDPE-UHMWPE reinforced β TCP nanocomposites using highly purified human osteoblast cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2010 , 95, 1074-83	5.4	20
162	In vitro evaluation of biocompatibility of beta-tricalcium phosphate-reinforced high-density polyethylene; an orthopedic composite. <i>Journal of Biomedical Materials Research - Part A</i> , 2005 , 75, 14-22	5.4	20
161	Effect of magnesium substitution on structural and biological properties of synthetic hydroxyapatite powder. <i>Materials Express</i> , 2015 , 5, 41-48	1.3	19

160	Optimization of electrical stimulation parameters for MG-63 cell proliferation on chitosan/functionalized multiwalled carbon nanotube films. <i>RSC Advances</i> , 2016 , 6, 109902-109915	3.7	19
159	Effects of hydrostatic pressure on biosynthetic activity during chondrogenic differentiation of MSCs in hybrid scaffolds. <i>International Journal of Artificial Organs</i> , 2014 , 37, 142-8	1.9	19
158	Effects of mechanical and chemical stimuli on differentiation of human adipose-derived stem cells into endothelial cells. <i>International Journal of Artificial Organs</i> , 2013 , 36, 663-73	1.9	19
157	Engineered substrates with imprinted cell-like topographies induce direct differentiation of adipose-derived mesenchymal stem cells into Schwann cells. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2019 , 47, 1022-1035	6.1	18
156	Induction of multipotency in umbilical cord-derived mesenchymal stem cells cultivated under suspension conditions. <i>Cell Stress and Chaperones</i> , 2014 , 19, 657-66	4	18
155	Alteration of human umbilical vein endothelial cell gene expression in different biomechanical environments. <i>Cell Biology International</i> , 2014 , 38, 577-81	4.5	18
154	Construction and expression of an anti-VEGFR2 Nanobody-Fc fusionbody in NS0 host cell. <i>Protein Expression and Purification</i> , 2016 , 123, 19-25	2	17
153	Influence of Cyclic Stretch on Mechanical Properties of Endothelial Cells. <i>Experimental Mechanics</i> , 2013 , 53, 1291-1298	2.6	17
152	Development of oligoclonal nanobodies for targeting the tumor-associated glycoprotein 72 antigen. <i>Molecular Biotechnology</i> , 2013 , 54, 590-601	3	17
151	Y25130 hydrochloride, a selective 5HT3 receptor antagonist has potent antimitogenic and apoptotic effect on HT29 colorectal cancer cell line. <i>European Journal of Cancer Prevention</i> , 2010 , 19, 138-43	2	17
150	Targeted DNA delivery to cancer cells using a biotinylated chitosan carrier. <i>Biotechnology and Applied Biochemistry</i> , 2017 , 64, 423-432	2.8	16
149	Development of anti-CD47 single-chain variable fragment targeted magnetic nanoparticles for treatment of human bladder cancer. <i>Nanomedicine</i> , 2017 , 12, 597-613	5.6	16
148	Experimental investigation and molecular dynamics simulation of acid-doped polybenzimidazole as a new membrane for air-breathing microbial fuel cells. <i>Journal of Membrane Science</i> , 2017 , 535, 221-229	9.6	16
147	A comparative study on the physicochemical and biological stability of IgG1 and monoclonal antibodies during spray drying process. <i>DARU, Journal of Pharmaceutical Sciences</i> , 2014 , 22, 31	3.9	16
146	Synthesis, characterization and application of polyglycerol coated Fe ₃ O ₄ nanoparticles as a nano-theranostics agent. <i>Materials Research Express</i> , 2015 , 2, 125002	1.7	16
145	In vitro biological evaluation of beta-TCP/HDPE--A novel orthopedic composite: a survey using human osteoblast and fibroblast bone cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2008 , 84, 491-9	5.4	16
144	Effects of melatonin on the proliferation and differentiation of rat adipose-derived stem cells. <i>Indian Journal of Plastic Surgery</i> , 2008 , 41, 8-14	0.9	16
143	In vitro biocompatibility and ageing of 3Y-TZP/CNTs composites. <i>Ceramics International</i> , 2015 , 41, 12773-12781	5.15	15

142	Low concentration of exogenous carbon monoxide protects mammalian cells against proliferation induced by radiation-induced bystander effect. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2014 , 759, 9-15	3.3	15
141	Evaluation of the chondrogenic differentiation of mesenchymal stem cells on hybrid biomimetic scaffolds. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	15
140	Surface-treated biocompatible ZnS quantum dots: Synthesis, photo-physical and microstructural properties. <i>Electronic Materials Letters</i> , 2014 , 10, 393-400	2.9	15
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