

Alexander Marcus Seifalian

List of Publications by Year in descending order

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Version: 2024-02-01

509
papers

30,434
citations

5876

81
h-index

8835

145
g-index

528
all docs

528
docs citations

528
times ranked

35184
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-walled carbon nanotube/hydroxyapatite nanocomposite with leukocyte- and platelet-rich fibrin for bone regeneration in sheep model. <i>Oral and Maxillofacial Surgery</i> , 2022, 26, 63-72.	0.6	3
2	Vitamin E at a high dose as an anti-ferroptosis drug and not just a supplement for COVID-19 treatment. <i>Biotechnology and Applied Biochemistry</i> , 2022, 69, 1058-1060.	1.4	22
3	The World Against Versatile SARS-Cov-2 Nanomachines: Mythological or Reality?. <i>Current Stem Cell Research and Therapy</i> , 2022, 17, 43-57.	0.6	3
4	Dental Radiographic/Digital Radiography Technology along with Biological Agents in Human Identification. <i>Scanning</i> , 2022, 2022, 1-30.	0.7	6
5	Ac-SDKP peptide improves functional recovery following spinal cord injury in a preclinical model. <i>Neuropeptides</i> , 2022, 92, 102228.	0.9	2
6	Emerging treatment strategies in wound care. <i>International Wound Journal</i> , 2022, 19, 1934-1954.	1.3	61
7	The Potential Application of Green-Synthesized Metal Nanoparticles in Dentistry: A Comprehensive Review. <i>Bioinorganic Chemistry and Applications</i> , 2022, 2022, 1-27.	1.8	66
8	Chemical Characterization and Cytotoxic/Antibacterial Effects of Nine Iranian Propolis Extracts on Human Fibroblast Cells and Oral Bacteria. <i>BioMed Research International</i> , 2022, 2022, 1-14.	0.9	12
9	Graphene-Based Materials Prove to Be a Promising Candidate for Nerve Regeneration Following Peripheral Nerve Injury. <i>Biomedicines</i> , 2022, 10, 73.	1.4	18
10	Chemotherapeutic effects of Apigenin in breast cancer: Preclinical evidence and molecular mechanisms; enhanced bioavailability by nanoparticles. <i>Biotechnology Reports (Amsterdam,)</i> Tj ETQq0 0 0 rgBT /Overlock 1021f 50 377		
11	Combination of 5-azacytidine and hanging drop culture convert fat cell into cardiac cell. <i>Biotechnology and Applied Biochemistry</i> , 2021, 68, 92-101.	1.4	6
12	Poly(methyl methacrylate) bone cement, its rise, growth, downfall and future. <i>Polymer International</i> , 2021, 70, 1182-1201.	1.6	36
13	Can Tissue Engineering Bring Hope to the Development of Human Tympanic Membrane?. <i>Tissue Engineering - Part B: Reviews</i> , 2021, 27, 572-589.	2.5	20
14	Poly(methyl methacrylate)-Based Composite Bone Cements With Different Types of Reinforcement Agents. , 2021, , 867-886.		0
15	Extracellular Matrix Scaffold Using Decellularized Cartilage for Hyaline Cartilage Regeneration. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1345, 209-223.	0.8	2
16	Hydrogels as Emerging Materials for Cornea Wound Healing. <i>Small</i> , 2021, 17, e2006335.	5.2	52
17	The role of nanotechnology in current COVID-19 outbreak. <i>Heliyon</i> , 2021, 7, e06841.	1.4	28
18	Graphene Oxide: Opportunities and Challenges in Biomedicine. <i>Nanomaterials</i> , 2021, 11, 1083.	1.9	64

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19	COVID-19 Vaccines in Clinical Trials and their Mode of Action for Immunity against the Virus. <i>Current Pharmaceutical Design</i> , 2021, 27, 1553-1563.	0.9	13
20	Induced Pluripotent Stem Cells (iPSCs) Provide a Potentially Unlimited T Cell Source for CAR-T Cell Development and Off-the-Shelf Products. <i>Pharmaceutical Research</i> , 2021, 38, 931-945.	1.7	18
21	Current Natural Bioactive Materials in Bone and Tooth Regeneration in dentistry: A Comprehensive Overview. <i>Journal of Materials Research and Technology</i> , 2021, 13, 2078-2078.	2.6	38
22	The risk of pancreatic adenocarcinoma following SARS-CoV family infection. <i>Scientific Reports</i> , 2021, 11, 12948.	1.6	11
23	Strengthening the CAR ^T cell therapeutic application using CRISPR/Cas9 technology. <i>Biotechnology and Bioengineering</i> , 2021, 118, 3691-3705.	1.7	13
24	The Current Strategies in Controlling Oral Diseases by Herbal and Chemical Materials. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-22.	0.5	26
25	Investigating the Application of Liposomes as Drug Delivery Systems for the Diagnosis and Treatment of Cancer. <i>International Journal of Biomaterials</i> , 2021, 2021, 1-16.	1.1	34
26	Mechanism of Anosmia Caused by Symptoms of COVID-19 and Emerging Treatments. <i>ACS Chemical Neuroscience</i> , 2021, 12, 3795-3805.	1.7	62
27	Biocompatible and Biomaterials Application in Drug Delivery System in Oral Cavity. <i>Evidence-based Complementary and Alternative Medicine</i> , 2021, 2021, 1-12.	0.5	41
28	Emerging Application of Magnetic Nanoparticles for Diagnosis and Treatment of Cancer. <i>Polymers</i> , 2021, 13, 4146.	2.0	47
29	Bimetallic nickel-ferrite nanorod particles: greener synthesis using rosemary and its biomedical efficiency. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2020, 48, 242-251.	1.9	49
30	Engineered skin graft with stromal vascular fraction cells encapsulated in fibrin ⁺ collagen hydrogel: A clinical study for diabetic wound healing. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2020, 14, 424-440.	1.3	54
31	Current herbal medicine as an alternative treatment in dentistry: In vitro, in vivo and clinical studies. <i>European Journal of Pharmacology</i> , 2020, 889, 173665.	1.7	56
32	Chimeric Antigen Receptor Based Therapy as a Potential Approach in Autoimmune Diseases: How Close Are We to the Treatment?. <i>Frontiers in Immunology</i> , 2020, 11, 603237.	2.2	33
33	Thermo-responsive chitosan hydrogel for healing of full-thickness wounds infected with XDR bacteria isolated from burn patients: In vitro and in vivo animal model. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 4475-4486.	3.6	41
34	Gelatin Electrospun Mat as a Potential Co-culture System for <i>In Vitro</i> Production of Sperm Cells from Embryonic Stem Cells. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 5823-5832.	2.6	4
35	Fabrication and properties of developed collagen/strontium-doped Bioglass scaffolds for bone tissue engineering. <i>Journal of Materials Research and Technology</i> , 2020, 9, 14799-14817.	2.6	47
36	Key Regulatory miRNAs and their Interplay with Mechanosensing and Mechanotransduction Signaling Pathways in Breast Cancer Progression. <i>Molecular Cancer Research</i> , 2020, 18, 1113-1128.	1.5	8

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37	The inhibitory effect of <i>Tamarix hispida</i> mediated silver nanoparticles on Cyclin D1 protein expression of human cancer cells line. <i>Inorganic and Nano-Metal Chemistry</i> , 2020, 50, 1144-1149.	0.9	3
38	A New Nanocomposite Copolymer Based On Functionalised Graphene Oxide for Development of Heart Valves. <i>Scientific Reports</i> , 2020, 10, 5271.	1.6	31
39	Bacteriophage Based Biosensors: Trends, Outcomes and Challenges. <i>Nanomaterials</i> , 2020, 10, 501.	1.9	68
40	Conductive carbon nanofibers incorporated into collagen bio-scaffold assists myocardial injury repair. <i>International Journal of Biological Macromolecules</i> , 2020, 163, 1136-1146.	3.6	46
41	Adipose derived stem cells and platelet rich plasma improve the tissue integration and angiogenesis of biodegradable scaffolds for soft tissue regeneration. <i>Molecular Biology Reports</i> , 2020, 47, 2005-2013.	1.0	31
42	The current markers of cancer stem cell in oral cancers. <i>Life Sciences</i> , 2020, 249, 117483.	2.0	39
43	<p></p>In vitro and in vivo Evaluation of the Efficacy and Safety of Powder Hydroxypropylmethylcellulose as Nasal Mucosal Barrier<p></p>. <i>Medical Devices: Evidence and Research</i> , 2020, Volume 13, 107-113.	0.4	6
44	Will Tissue-Engineering Strategies Bring New Hope for the Reconstruction of Nasal Septal Cartilage?. <i>Current Stem Cell Research and Therapy</i> , 2020, 15, 144-154.	0.6	10
45	Oral microbial biofilms: an update. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2019, 38, 2005-2019.	1.3	141
46	Emerging roles of exosomal miRNAs in breast cancer drug resistance. <i>IUBMB Life</i> , 2019, 71, 1672-1684.	1.5	26
47	Fabrications of small diameter compliance bypass conduit using electrospinning of clinical grade polyurethane. <i>Vascular</i> , 2019, 27, 636-647.	0.4	8
48	Skin regenerative medicine advancements in the Islamic Republic of Iran: a concise review. <i>Regenerative Medicine</i> , 2019, 14, 1047-1056.	0.8	4
49	Argon plasma modification promotes adipose derived stem cells osteogenic and chondrogenic differentiation on nanocomposite polyurethane scaffolds; implications for skeletal tissue engineering. <i>Materials Science and Engineering C</i> , 2019, 105, 110085.	3.8	20
50	Ultra-low percolation threshold POSS-PCL/graphene electrically conductive polymer: Neural tissue engineering nanocomposites for neurosurgery. <i>Materials Science and Engineering C</i> , 2019, 104, 109915.	3.8	35
51	Electroconductive polyurethane/graphene nanocomposite for biomedical applications. <i>Composites Part B: Engineering</i> , 2019, 168, 421-431.	5.9	87
52	Lung tissue engineering: An update. <i>Journal of Cellular Physiology</i> , 2019, 234, 19256-19270.	2.0	31
53	Human Adipose-Derived Stem Cells with Great Therapeutic Potential. <i>Current Stem Cell Research and Therapy</i> , 2019, 14, 532-548.	0.6	34
54	Emerging In Vitro 3D Tumour Models in Nanoparticle-Based Gene and Drug Therapy. <i>Trends in Biotechnology</i> , 2018, 36, 477-480.	4.9	4

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55	3D Protein-Based Bilayer Artificial Skin for the Guided Scarless Healing of Third-Degree Burn Wounds in Vivo. <i>Biomacromolecules</i> , 2018, 19, 2409-2422.	2.6	68
56	Osteogenic potential of stem cells-seeded bioactive nanocomposite scaffolds: A comparative study between human mesenchymal stem cells derived from bone, umbilical cord Wharton's jelly, and adipose tissue. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2018, 106, 61-72.	1.6	89
57	Silk fibroin/amniotic membrane 3D bi-layered artificial skin. <i>Biomedical Materials (Bristol)</i> , 2018, 13, 035003.	1.7	97
58	The Effect of Melanocyte Stimulating Hormone and Hydroxyapatite on Osteogenesis in Pulp Stem Cells of Human Teeth Transferred into Polyester Scaffolds. <i>Fibers and Polymers</i> , 2018, 19, 2245-2253.	1.1	6
59	Effect of Laser Irradiation on Cell Cycle and Mitosis. <i>Journal of Lasers in Medical Sciences</i> , 2018, 9, 249-253.	0.4	9
60	Polyurethane-Polycaprolactone Blend Patches: Scaffold Characterization and Cardiomyoblast Adhesion, Proliferation, and Function. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 4299-4310.	2.6	60
61	Evaluation of Sterilisation Techniques for Regenerative Medicine Scaffolds Fabricated with Polyurethane Nonbiodegradable and Bioabsorbable Nanocomposite Materials. <i>International Journal of Biomaterials</i> , 2018, 2018, 1-14.	1.1	22
62	In vivo toxicological evaluation of graphene oxide nanoplatelets for clinical application. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 4757-4769.	3.3	58
63	Nanoparticles in wound healing from hope to promise from promise to routine. <i>Frontiers in Bioscience - Landmark</i> , 2018, 23, 1038-1059.	3.0	56
64	Conductive Polymers: Opportunities and Challenges in Biomedical Applications. <i>Chemical Reviews</i> , 2018, 118, 6766-6843.	23.0	579
65	Injectable Hydrogel versus Plastically Compressed Collagen Scaffold for Central Nervous System Applications. <i>International Journal of Biomaterials</i> , 2018, 2018, 1-10.	1.1	17
66	Translational Regenerative Therapies for Chronic Spinal Cord Injury. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1776.	1.8	51
67	Comparison of the antibacterial effects of a short cationic peptide and 1% silver bioactive glass against extensively drug-resistant bacteria, <i>Pseudomonas aeruginosa</i> and <i>Acinetobacter baumannii</i> , isolated from burn patients. <i>Amino Acids</i> , 2018, 50, 1617-1628.	1.2	21
68	Stem cells for spinal cord injuries bearing translational potential. <i>Neural Regeneration Research</i> , 2018, 13, 35.	1.6	35
69	High-Performance Enzyme-Free Glucose Sensor with Co-Cu Nanorod Arrays on Si Substrates. <i>Recent Patents on Biotechnology</i> , 2018, 12, 126-133.	0.4	1
70	Stem cells for tissue engineered vascular bypass grafts. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017, 45, 999-1010.	1.9	9
71	Biocompatibility and nanostructured materials: applications in nanomedicine. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017, 45, 833-842.	1.9	155
72	The regenerative role of adipose-derived stem cells (<sc>ADSC</sc>) in plastic and reconstructive surgery. <i>International Wound Journal</i> , 2017, 14, 112-124.	1.3	121

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73	In Vitro Hydrodynamic Assessment of a New Transcatheter Heart Valve Concept (the TRISKELE). Journal of Cardiovascular Translational Research, 2017, 10, 104-115.	1.1	28
74	Will Nanotechnology Bring New Hope for Gene Delivery?. Trends in Biotechnology, 2017, 35, 434-451.	4.9	97
75	Chitosan-Intercalated Montmorillonite/Poly(vinyl alcohol) Nanofibers as a Platform to Guide Neuronlike Differentiation of Human Dental Pulp Stem Cells. ACS Applied Materials & Interfaces, 2017, 9, 11392-11404.	4.0	81
76	Chemical group-dependent plasma polymerisation preferentially directs adipose stem cell differentiation towards osteogenic or chondrogenic lineages. Acta Biomaterialia, 2017, 50, 450-461.	4.1	56
77	Limitations in Clinical Translation of Nanoparticle-Based Gene Therapy. Trends in Biotechnology, 2017, 35, 1124-1125.	4.9	15
78	Towards reconstruction of epithelialized cartilages from autologous adipose tissue-derived stem cells. Journal of Tissue Engineering and Regenerative Medicine, 2017, 11, 3078-3089.	1.3	10
79	Targeted Drug Delivery Based on Gold Nanoparticle Derivatives. Current Pharmaceutical Design, 2017, 23, 2918-2929.	0.9	67
80	Magnetic Nanoparticles: New Perspectives in Drug Delivery. Current Pharmaceutical Design, 2017, 23, 2908-2917.	0.9	34
81	Regenerative Medicine Applications in Wound Care. Current Stem Cell Research and Therapy, 2017, 12, 658-674.	0.6	12
82	Nanohydroxyapatite Effect on the Degradation, Osteoconduction and Mechanical Properties of Polymeric Bone Tissue Engineered Scaffolds. The Open Orthopaedics Journal, 2016, 10, 900-919.	0.1	25
83	Conjugation with RGD Peptides and Incorporation of Vascular Endothelial Growth Factor Are Equally Efficient for Biofunctionalization of Tissue-Engineered Vascular Grafts. International Journal of Molecular Sciences, 2016, 17, 1920.	1.8	31
84	Bioabsorbable Bypass Grafts Biofunctionalised with RGD Have Enhanced Biophysical Properties and Endothelialisation Tested In vivo. Frontiers in Pharmacology, 2016, 7, 136.	1.6	15
85	A Biodesigned Nanocomposite Biomaterial for Auricular Cartilage Reconstruction. Advanced Healthcare Materials, 2016, 5, 1203-1212.	3.9	18
86	Fabrication and <i>in vivo</i> evaluation of an osteoblast-conditioned nano-hydroxyapatite/gelatin composite scaffold for bone tissue regeneration. Journal of Biomedical Materials Research - Part A, 2016, 104, 2001-2010.	2.1	59
87	Development of a Tissue-Engineered Lymphatic Graft Using Nanocomposite Polymer for the Treatment of Secondary Lymphedema. Artificial Organs, 2016, 40, E1-11.	1.0	12
88	pH-Activatable Mn ²⁺ -Based Fluorescence and Magnetic Resonance Bimodal Nanoprobe for Cancer Imaging. Advanced Healthcare Materials, 2016, 5, 721-729.	3.9	40
89	Novel heart valve prosthesis with self-endothelialization potential made of modified polyhedral oligomeric silsesquioxane-nanocomposite material. Biointerphases, 2016, 11, 029801.	0.6	16
90	Advances in peripheral nervous system regenerative therapeutic strategies: A biomaterials approach. Materials Science and Engineering C, 2016, 65, 425-432.	3.8	71

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91	Relaxivity and toxicological properties of manganese oxide nanoparticles for MRI applications. RSC Advances, 2016, 6, 45462-45474.	1.7	41
92	An arsenal of magnetic nanoparticles; perspectives in the treatment of cancer. Nanomedicine, 2016, 11, 2215-2232.	1.7	21
93	The influence of silica nanoparticles on small mesenteric arterial function. Nanomedicine, 2016, 11, 2131-2146.	1.7	8
94	Cancer Imaging: pH-Activatable MnO-Based Fluorescence and Magnetic Resonance Bimodal Nanoprobe for Cancer Imaging (Adv. Healthcare Mater. 6/2016). Advanced Healthcare Materials, 2016, 5, 720-720.	3.9	1
95	Biomechanical Characterisation of the Human Auricular Cartilages; Implications for Tissue Engineering. Annals of Biomedical Engineering, 2016, 44, 3460-3467.	1.3	47
96	Biomechanical Characterization of Human Soft Tissues Using Indentation and Tensile Testing. Journal of Visualized Experiments, 2016, , .	0.2	53
97	Oxygen-Generating Biomaterials: A New, Viable Paradigm for Tissue Engineering?. Trends in Biotechnology, 2016, 34, 1010-1021.	4.9	186
98	Surface modification of a POSS-nanocomposite material to enhance cellular integration of a synthetic bioscaffold. Biomaterials, 2016, 83, 283-293.	5.7	54
99	Development of mechano-responsive polymeric scaffolds using functionalized silica nano-fillers for the control of cellular functions. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 1725-1733.	1.7	25
100	Decellularized human amniotic membrane: how viable is it as a delivery system for human adipose tissue-derived stromal cells?. Cell Proliferation, 2016, 49, 115-121.	2.4	65
101	Quantum dot nanoparticle for optimization of breast cancer diagnostics and therapy in a clinical setting. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 1581-1592.	1.7	39
102	Personalized development of human organs using 3D printing technology. Medical Hypotheses, 2016, 87, 30-33.	0.8	77
103	Slow chlorine releasing compounds: A viable sterilisation method for bioabsorbable nanocomposite biomaterials. Journal of Biomaterials Applications, 2016, 30, 1114-1124.	1.2	3
104	Enhancing tissue integration and angiogenesis of a novel nanocomposite polymer using plasma surface polymerisation, an in vitro and in vivo study. Biomaterials Science, 2016, 4, 145-158.	2.6	37
105	Nanotechnology and regenerative therapeutics in plastic surgery: The next frontier. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2016, 69, 1-13.	0.5	21
106	Next generation covered stents made from nanocomposite materials: A complete assessment of uniformity, integrity and biomechanical properties. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 1-12.	1.7	27
107	Hearts beating through decellularized scaffolds: whole-organ engineering for cardiac regeneration and transplantation. Critical Reviews in Biotechnology, 2016, 36, 705-715.	5.1	56
108	BIOMECHANICAL REMODELING OF BIODEGRADABLE SMALL-DIAMETER VASCULAR GRAFTS IN SITU. Vestnik Transplantologii i Iskusstvennykh Organov, 2016, 18, 99-109.	0.1	4

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109	Haemoxygenase modulates cytokine induced neutrophil chemoattractant in hepatic ischemia reperfusion injury. <i>World Journal of Gastroenterology</i> , 2016, 22, 7518.	1.4	7
110	A new transcatheter heart valve concept (the TRISKELE): feasibility in an acute preclinical model. <i>EuroIntervention</i> , 2016, 12, 901-908.	1.4	13
111	Octa-ammonium POSS-conjugated single-walled carbon nanotubes as vehicles for targeted delivery of paclitaxel. <i>Nano Reviews</i> , 2015, 6, 28297.	3.7	16
112	Controllable degradation kinetics of POSS nanoparticle-integrated poly(μ -caprolactone urea)urethane elastomers for tissue engineering applications. <i>Scientific Reports</i> , 2015, 5, 15040.	1.6	18
113	In situ Endothelialization: Bioengineering Considerations to Translation. <i>Small</i> , 2015, 11, 6248-6264.	5.2	64
114	Role of nanotopography in the development of tissue engineered 3D organs and tissues using mesenchymal stem cells. <i>World Journal of Stem Cells</i> , 2015, 7, 266.	1.3	41
115	Vascularisation in regenerative therapeutics and surgery. <i>Materials Science and Engineering C</i> , 2015, 54, 225-238.	3.8	10
116	Sterilization-Induced Changes in Surface Topography of Biodegradable POSS-PCLU and the Cellular Response of Human Dermal Fibroblasts. <i>Tissue Engineering - Part C: Methods</i> , 2015, 21, 614-630.	1.1	9
117	173 μ m Infused silica nanoparticles compromise vascular function in small mesenteric arteries. <i>Heart</i> , 2015, 101, A98.2-A98.	1.2	0
118	Nanotopography and Plasma Treatment: Redesigning the Surface for Vascular Graft Endothelialisation. <i>European Journal of Vascular and Endovascular Surgery</i> , 2015, 49, 335-343.	0.8	33
119	Development of a Cost-Effective and Simple Protocol for Decellularization and Preservation of Human Amniotic Membrane as a Soft Tissue Replacement and Delivery System for Bone Marrow Stromal Cells. <i>Advanced Healthcare Materials</i> , 2015, 4, 918-926.	3.9	72
120	Evaluation of experimental methods for nitric oxide release from cardiovascular implants; bypass grafts as an exemplar. <i>Therapeutic Advances in Cardiovascular Disease</i> , 2015, 9, 375-388.	1.0	5
121	Transdermal Delivery of Functional Collagen Via Polyvinylpyrrolidone Microneedles. <i>Annals of Biomedical Engineering</i> , 2015, 43, 2978-2990.	1.3	30
122	Accelerating in Situ Endothelialisation of Cardiovascular Bypass Grafts. <i>International Journal of Molecular Sciences</i> , 2015, 16, 597-627.	1.8	51
123	A potential platform for developing 3D tubular scaffolds for paediatric organ development. <i>Journal of Materials Science: Materials in Medicine</i> , 2015, 26, 141.	1.7	7
124	Tendon Reconstruction with Tissue Engineering Approach—A Review. <i>Journal of Biomedical Nanotechnology</i> , 2015, 11, 1495-1523.	0.5	24
125	The effect of TGF- β 1 and BMP-4 on bone marrow-derived stem cell morphology on a novel bioabsorbable nanocomposite material. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2015, 43, 230-234.	1.9	5
126	Novel POSS-PCU Nanocomposite Material as a Biocompatible Coating for Quantum Dots. <i>Bioconjugate Chemistry</i> , 2015, 26, 2384-2396.	1.8	30

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127	The influence of porosity on the hemocompatibility of polyhedral oligomeric silsesquioxane poly (caprolactone-urea) urethane. <i>International Journal of Biochemistry and Cell Biology</i> , 2015, 68, 176-186.	1.2	19
128	Preventing in-stent restenosis using lipoprotein (a), lipid and cholesterol adsorbent materials. <i>Medical Hypotheses</i> , 2015, 85, 986-988.	0.8	7
129	The application of POSS nanostructures in cartilage tissue engineering: the chondrocyte response to nanoscale geometry. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015, 9, E27-E38.	1.3	27
130	Tissue engineering vascular grafts a fortiori: looking back and going forward. <i>Expert Opinion on Biological Therapy</i> , 2015, 15, 231-244.	1.4	40
131	Differentiation of human endometrial stem cells into urothelial cells on a three-dimensional nanofibrous silk-collagen scaffold: an autologous cell resource for reconstruction of the urinary bladder wall. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015, 9, 1268-1276.	1.3	34
132	Scarring, stem cells, scaffolds and skin repair. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015, 9, 649-668.	1.3	64
133	Trachea transplantation: from laboratory to patient. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2015, 9, 357-367.	1.3	75
134	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, 400-408.	3.8	49
135	Advances in regenerative therapies for spinal cord injury: a biomaterials approach. <i>Neural Regeneration Research</i> , 2015, 10, 726.	1.6	134
136	Nanotechnology and bio-functionalisation for peripheral nerve regeneration. <i>Neural Regeneration Research</i> , 2015, 10, 1191.	1.6	21
137	Control of stem cell fate by engineering their micro and nanoenvironment. <i>World Journal of Stem Cells</i> , 2015, 7, 37.	1.3	90
138	Bioabsorbable Stent Quo Vadis: A Case for Nano-Theranostics. <i>Theranostics</i> , 2014, 4, 514-533.	4.6	11
139	Near-infrared quantum dots for HER2 localization and imaging of cancer cells. <i>International Journal of Nanomedicine</i> , 2014, 9, 1323.	3.3	50
140	Polyhedral Oligomeric Silsesquioxane Poly (Carbonate-Urea) Urethane (POSS-PCU): Applications in Nanotechnology and Regenerative Medicine. <i>Critical Reviews in Biomedical Engineering</i> , 2014, , .	0.5	9
141	Personalized In Vitro Cancer Modeling – Fantasy or Reality?. <i>Translational Oncology</i> , 2014, 7, 657-664.	1.7	34
142	Treatment of life-threatening wounds with a combination of allogenic platelet-rich plasma, fibrin glue and collagen matrix, and a literature review. <i>Experimental and Therapeutic Medicine</i> , 2014, 8, 423-429.	0.8	20
143	Nerve Conduits for Peripheral Nerve Surgery. <i>Plastic and Reconstructive Surgery</i> , 2014, 133, 1420-1430.	0.7	106
144	Fumed Silica Nanoparticle Mediated Biomimicry for Optimal Cell-arterial Interactions for Artificial Organ Development. <i>Macromolecular Bioscience</i> , 2014, 14, 307-313.	2.1	8

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145	Adipogenic differentiation of adipose-derived stem cells in 3-dimensional spheroid cultures (microtissue): Implications for the reconstructive surgeon. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2014, 67, 1726-1734.	0.5	43
146	<i>Nerve Regeneration and Bioengineering.</i> , 2014, , 799-810.		11
147	Chondrogenic differentiation of adipose tissue-derived stem cells within nanocaged POSS-PCU scaffolds: A new tool for nanomedicine. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 279-289.	1.7	57
148	Design and development of nanocomposite scaffolds for auricular reconstruction. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 235-246.	1.7	64
149	Nitric oxide-eluting nanocomposite for cardiovascular implants. <i>Journal of Materials Science: Materials in Medicine</i> , 2014, 25, 917-929.	1.7	26
150	A polyhedral oligomeric silsesquioxane-based bilayered dermal scaffold seeded with adipose tissue-derived stem cells: in vitro assessment of biomechanical properties. <i>Journal of Surgical Research</i> , 2014, 188, 361-372.	0.8	21
151	Fluorescence Lifetime Imaging and FRET-induced Intracellular Redistribution of Tat-Conjugated Quantum Dot Nanoparticles through Interaction with a Phthalocyanine Photosensitiser. <i>Small</i> , 2014, 10, 782-792.	5.2	58
152	Tissue-engineered lymphatic graft for the treatment of lymphedema. <i>Journal of Surgical Research</i> , 2014, 192, 544-554.	0.8	17
153	Toxicology of chemically modified graphene-based materials for medical application. <i>Archives of Toxicology</i> , 2014, 88, 1987-2012.	1.9	65
154	<i>The Use of Skin Substitutes in the Treatment of Burns.</i> , 2014, , 771-782.		4
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