

Christine E Schmidt

List of Publications by Year in descending order

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139
papers

13,632
citations

31976

53
h-index

22166

113
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144
all docs

144
docs citations

144
times ranked

14294
citing authors

#	ARTICLE	IF	CITATIONS
1	Conducting polymers in biomedical engineering. <i>Progress in Polymer Science</i> , 2007, 32, 876-921.	24.7	1,383
2	Neural Tissue Engineering: Strategies for Repair and Regeneration. <i>Annual Review of Biomedical Engineering</i> , 2003, 5, 293-347.	12.3	1,098
3	Photocrosslinked hyaluronic acid hydrogels: Natural, biodegradable tissue engineering scaffolds. <i>Biotechnology and Bioengineering</i> , 2003, 82, 578-589.	3.3	721
4	Acellular vascular tissues: natural biomaterials for tissue repair and tissue engineering. <i>Biomaterials</i> , 2000, 21, 2215-2231.	11.4	682
5	Polypyrrole-coated electrospun PLGA nanofibers for neural tissue applications. <i>Biomaterials</i> , 2009, 30, 4325-4335.	11.4	659
6	The effects of hyaluronic acid hydrogels with tunable mechanical properties on neural progenitor cell differentiation. <i>Biomaterials</i> , 2010, 31, 3930-3940.	11.4	427
7	Characterization of protein release from photocrosslinkable hyaluronic acid-polyethylene glycol hydrogel tissue engineering scaffolds. <i>Biomaterials</i> , 2005, 26, 125-135.	11.4	393
8	Biomaterials functionalization using a novel peptide that selectively binds to a conducting polymer. <i>Nature Materials</i> , 2005, 4, 496-502.	27.5	387
9	Synthesis and characterization of polypyrrole-hyaluronic acid composite biomaterials for tissue engineering applications. , 2000, 50, 574-584.		336
10	Optimized Acellular Nerve Graft Is Immunologically Tolerated and Supports Regeneration. <i>Tissue Engineering</i> , 2004, 10, 1641-1651.	4.6	325
11	Nerve growth factor-immobilized polypyrrole: Bioactive electrically conducting polymer for enhanced neurite extension. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 81A, 135-149.	4.0	263
12	Engineering an Improved Acellular Nerve Graft via Optimized Chemical Processing. <i>Tissue Engineering</i> , 2004, 10, 1346-1358.	4.6	253
13	Concentration-dependent Effect of Sodium Hypochlorite on Stem Cells of Apical Papilla Survival and Differentiation. <i>Journal of Endodontics</i> , 2014, 40, 51-55.	3.1	248
14	Biomimetic conducting polymer-based tissue scaffolds. <i>Current Opinion in Biotechnology</i> , 2013, 24, 847-854.	6.6	230
15	A Highly Selective Low-Background Fluorescent Imaging Agent for Nitric Oxide. <i>Journal of the American Chemical Society</i> , 2010, 132, 13114-13116.	13.7	222
16	Carboxylic Acid-Functionalized Conductive Polypyrrole as a Bioactive Platform for Cell Adhesion. <i>Biomacromolecules</i> , 2006, 7, 1692-1695.	5.4	216
17	Micropatterned Polypyrrole: A Combination of Electrical and Topographical Characteristics for the Stimulation of Cells. <i>Advanced Functional Materials</i> , 2007, 17, 1645-1653.	14.9	185
18	Biocompatibility implications of polypyrrole synthesis techniques. <i>Biomedical Materials (Bristol)</i> , 2008, 3, 034124.	3.3	180

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19	Photopatterned collagen-hyaluronic acid interpenetrating polymer network hydrogels. <i>Acta Biomaterialia</i> , 2009, 5, 2385-2397.	8.3	177
20	High molecular weight hyaluronic acid limits astrocyte activation and scar formation after spinal cord injury. <i>Journal of Neural Engineering</i> , 2011, 8, 046033.	3.5	174
21	Cell-Laden Hydrogel Constructs of Hyaluronic Acid, Collagen, and Laminin for Neural Tissue Engineering. <i>Tissue Engineering - Part A</i> , 2010, 16, 1703-1716.	3.1	173
22	Immobilized nerve growth factor and microtopography have distinct effects on polarization versus axon elongation in hippocampal cells in culture. <i>Biomaterials</i> , 2007, 28, 271-284.	11.4	170
23	Nanostructured scaffolds for neural applications. <i>Nanomedicine</i> , 2008, 3, 183-199.	3.3	140
24	Conductive interpenetrating networks of polypyrrole and polycaprolactone encourage electrophysiological development of cardiac cells. <i>Acta Biomaterialia</i> , 2015, 28, 109-120.	8.3	130
25	Advances in natural biomaterials for nerve tissue repair. <i>Neuroscience Letters</i> , 2012, 519, 103-114.	2.1	127
26	ENGINEERING STRATEGIES FOR PERIPHERAL NERVE REPAIR. <i>Orthopedic Clinics of North America</i> , 2000, 31, 485-497.	1.2	118
27	Variation of cadmium sulfide nanoparticle size and photoluminescence intensity with altered aqueous synthesis conditions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005, 254, 147-157.	4.7	118
28	Engineering Strategies For Peripheral Nerve Repair. <i>Clinics in Plastic Surgery</i> , 1999, 26, 617-628.	1.5	117
29	High-Resolution Patterning of Hydrogels in Three Dimensions using Direct-Write Photofabrication for Cell Guidance. <i>Advanced Functional Materials</i> , 2009, 19, 3543-3551.	14.9	112
30	Solid freeform fabrication of designer scaffolds of hyaluronic acid for nerve tissue engineering. <i>Biomedical Microdevices</i> , 2011, 13, 983-993.	2.8	112
31	Carboxy-Endcapped Conductive Polypyrrole: A Biomimetic Conducting Polymer for Cell Scaffolds and Electrodes. <i>Langmuir</i> , 2006, 22, 9816-9819.	3.5	111
32	The fundamental role of subcellular topography in peripheral nerve repair therapies. <i>Biomaterials</i> , 2012, 33, 4264-4276.	11.4	109
33	Tunable methacrylated hyaluronic acid-based hydrogels as scaffolds for soft tissue engineering applications. <i>Journal of Biomedical Materials Research - Part A</i> , 2020, 108, 279-291.	4.0	97
34	Neuroactive conducting scaffolds: nerve growth factor conjugation on active ester-functionalized polypyrrole. <i>Journal of the Royal Society Interface</i> , 2009, 6, 801-810.	3.4	95
35	Fibronectin-hyaluronic acid composite hydrogels for three-dimensional endothelial cell culture. <i>Acta Biomaterialia</i> , 2011, 7, 2401-2409.	8.3	94
36	Polarization of hippocampal neurons with competitive surface stimuli: contact guidance cues are preferred over chemical ligands. <i>Journal of the Royal Society Interface</i> , 2007, 4, 223-233.	3.4	90

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37	Novel Degradable Co-polymers of Polypyrrole Support Cell Proliferation and Enhance Neurite Out-Growth with Electrical Stimulation. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2010, 21, 1265-1282.	3.5	89
38	Electrical Stimuli in the Central Nervous System Microenvironment. <i>Annual Review of Biomedical Engineering</i> , 2014, 16, 397-430.	12.3	86
39	Toward a Biocompatible and Biodegradable Copolymer Incorporating Electroactive Oligothiophene Units. <i>Macromolecules</i> , 2009, 42, 502-511.	4.8	81
40	Effects of collagen 1, fibronectin, laminin and hyaluronic acid concentration in multi-component gels on neurite extension. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2007, 18, 983-997.	3.5	79
41	Decellularized peripheral nerve supports Schwann cell transplants and axon growth following spinal cord injury. <i>Biomaterials</i> , 2018, 177, 176-185.	11.4	78
42	Advanced biomaterials for repairing the nervous system: what can hydrogels do for the brain?. <i>Materials Today</i> , 2014, 17, 332-340.	14.2	77
43	Recent advances in nanotherapeutic strategies for spinal cord injury repair. <i>Advanced Drug Delivery Reviews</i> , 2019, 148, 38-59.	13.7	74
44	A chemically polymerized electrically conducting composite of polypyrrole nanoparticles and polyurethane for tissue engineering. <i>Journal of Biomedical Materials Research - Part A</i> , 2011, 98A, 509-516.	4.0	72
45	Photopatterned anisotropic swelling of dual-crosslinked hyaluronic acid hydrogels. <i>Acta Biomaterialia</i> , 2009, 5, 14-22.	8.3	68
46	Biodegradable electroactive polymers for electrochemically-triggered drug delivery. <i>Journal of Materials Chemistry B</i> , 2014, 2, 6809-6822.	5.8	68
47	Fabrication of three-dimensional scaffolds for heterogeneous tissue engineering. <i>Biomedical Microdevices</i> , 2010, 12, 721-725.	2.8	67
48	Schwann cell response on polypyrrole substrates upon electrical stimulation. <i>Acta Biomaterialia</i> , 2014, 10, 2423-2433.	8.3	62
49	Biodegradable hydrogels composed of oxime crosslinked poly(ethylene glycol), hyaluronic acid and collagen: a tunable platform for soft tissue engineering. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2015, 26, 143-161.	3.5	61
50	Decellularized tissues as platforms for in vitro modeling of healthy and diseased tissues. <i>Acta Biomaterialia</i> , 2020, 111, 1-19.	8.3	60
51	Challenges in quantum dot-neuron active interfacing. <i>Talanta</i> , 2005, 67, 462-471.	5.5	59
52	Biomimetic hydrogels direct spinal progenitor cell differentiation and promote functional recovery after spinal cord injury. <i>Journal of Neural Engineering</i> , 2018, 15, 025004.	3.5	58
53	Hippocampal neurons respond uniquely to topographies of various sizes and shapes. <i>Biofabrication</i> , 2010, 2, 035005.	7.1	57
54	Multiphoton Lithography of Unconstrained Three-dimensional Protein Microstructures. <i>Advanced Functional Materials</i> , 2013, 23, 333-339.	14.9	55

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55	Electric field stimulation through a biodegradable polypyrrole-co-polycaprolactone substrate enhances neural cell growth. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 2554-2564.	4.0	54
56	Tissue-Engineered Peripheral Nerve Interfaces. <i>Advanced Functional Materials</i> , 2018, 28, 1701713.	14.9	53
57	Electroactive Tissue Scaffolds with Aligned Pores as Instructive Platforms for Biomimetic Tissue Engineering. <i>Bioengineering</i> , 2015, 2, 15-34.	3.5	51
58	Electrical Stimulation of Human Mesenchymal Stem Cells on Conductive Nanofibers Enhances their Differentiation toward Osteogenic Outcomes. <i>Macromolecular Rapid Communications</i> , 2015, 36, 1884-1890.	3.9	50
59	Advances in ex vivo models and lab-on-a-chip devices for neural tissue engineering. <i>Biomaterials</i> , 2019, 198, 146-166.	11.4	49
60	Injectable hydrogels of optimized acellular nerve for injection in the injured spinal cord. <i>Biomedical Materials (Bristol)</i> , 2018, 13, 034110.	3.3	48
61	Instructive Conductive 3D Silk Foam-Based Bone Tissue Scaffolds Enable Electrical Stimulation of Stem Cells for Enhanced Osteogenic Differentiation. <i>Macromolecular Bioscience</i> , 2015, 15, 1490-1496.	4.1	46
62	Drug-binding hydrogels of hyaluronic acid functionalized with β -cyclodextrin. <i>Journal of Biomedical Materials Research - Part A</i> , 2008, 87A, 1044-1052.	4.0	45
63	Recent advances in strategies for peripheral nerve tissue engineering. <i>Current Opinion in Biomedical Engineering</i> , 2017, 4, 134-142.	3.4	45
64	Vascular graft endothelialization: Comparative analysis of canine and human endothelial cell migration on natural biomaterials. <i>Journal of Biomedical Materials Research Part B</i> , 2001, 56, 545-555.	3.1	43
65	Electric field stimulation through a substrate influences Schwann cell and extracellular matrix structure. <i>Journal of Neural Engineering</i> , 2013, 10, 046011.	3.5	43
66	Pyrrole-hyaluronic acid conjugates for decreasing cell binding to metals and conducting polymers. <i>Acta Biomaterialia</i> , 2010, 6, 4396-4404.	8.3	42
67	Functional characterization of optimized acellular peripheral nerve graft in a rat sciatic nerve injury model. <i>Neurological Research</i> , 2011, 33, 600-608.	1.3	39
68	Surface modification of the conducting polymer, polypyrrole, via affinity peptide. <i>Journal of Biomedical Materials Research - Part A</i> , 2013, 101A, 1464-1471.	4.0	39
69	Electrical stimulation of human mesenchymal stem cells on biomineralized conducting polymers enhances their differentiation towards osteogenic outcomes. <i>Journal of Materials Chemistry B</i> , 2015, 3, 8059-8064.	5.8	38
70	Development of an apoptosis-assisted decellularization method for maximal preservation of nerve tissue structure. <i>Acta Biomaterialia</i> , 2018, 77, 116-126.	8.3	38
71	A combined molecular dynamics and experimental study of doped polypyrrole. <i>Polymer</i> , 2010, 51, 4985-4993.	3.8	36
72	Selective axonal growth of embryonic hippocampal neurons according to topographic features of various sizes and shapes. <i>International Journal of Nanomedicine</i> , 2010, 6, 45.	6.7	36

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73	Neuronal growth promoting sesquiterpeneâ€œneolignans; syntheses and biological studies. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 383-393.	2.8	36
74	Creation of an injectable in situ gelling native extracellular matrix for nucleus pulposus tissue engineering. <i>Spine Journal</i> , 2017, 17, 435-444.	1.3	36
75	Sacrificial Crystal Templated Hyaluronic Acid Hydrogels As Biomimetic 3D Tissue Scaffolds for Nerve Tissue Regeneration. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 1451-1459.	5.2	36
76	Benchâ€œtoâ€œBedside Lessons Learned: Commercialization of an Acellular Nerve Graft. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000174.	7.6	36
77	Novel Sodium Deoxycholate-Based Chemical Decellularization Method for Peripheral Nerve. <i>Tissue Engineering - Part C: Methods</i> , 2020, 26, 23-36.	2.1	34
78	Polysaccharide-based films for the prevention of unwanted postoperative adhesions at biological interfaces. <i>Acta Biomaterialia</i> , 2020, 106, 92-101.	8.3	34
79	Enhanced polarization of embryonic hippocampal neurons on micron scale electrospun fibers. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 92A, 1398-1406.	4.0	32
80	Magnetic particle templating of hydrogels: engineering naturally derived hydrogel scaffolds with 3D aligned microarchitecture for nerve repair. <i>Journal of Neural Engineering</i> , 2020, 17, 016057.	3.5	32
81	Simple benchtop patterning of hydrogel grids for living cell microarrays. <i>Lab on A Chip</i> , 2010, 10, 379-383.	6.0	31
82	Peptide-directed assembly of functional supramolecular polymers for biomedical applications: electroactive molecular tongue-twisters (oligoalanineâ€œoligoanilineâ€œoligoalanine) for electrochemically enhanced drug delivery. <i>Journal of Materials Chemistry B</i> , 2015, 3, 5005-5009.	5.8	31
83	Amineâ€œfunctionalized polypyrrole: Inherently cell adhesive conducting polymer. <i>Journal of Biomedical Materials Research - Part A</i> , 2015, 103, 2126-2132.	4.0	31
84	Towards the translation of electroconductive organic materials for regeneration of neural tissues. <i>Acta Biomaterialia</i> , 2022, 139, 22-42.	8.3	31
85	Crystal templating dendritic pore networks and fibrillar microstructure into hydrogels. <i>Acta Biomaterialia</i> , 2010, 6, 2415-2421.	8.3	30
86	The Open Source GAITOR Suite for Rodent Gait Analysis. <i>Scientific Reports</i> , 2018, 8, 9797.	3.3	30
87	Assessing Forelimb Function after Unilateral Cervical Spinal Cord Injury: Novel Forelimb Tasks Predict Lesion Severity and Recovery. <i>Journal of Neurotrauma</i> , 2012, 29, 488-498.	3.4	29
88	Gelsolin overexpression enhances neurite outgrowth in PC12 cells. <i>FEBS Letters</i> , 2001, 508, 282-286.	2.8	28
89	Three-Dimensional Bioprinted Hyaluronic Acid Hydrogel Test Beds for Assessing Neural Cell Responses to Competitive Growth Stimuli. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 6819-6830.	5.2	28
90	Into the groove: instructive silk-polypyrrole films with topographical guidance cues direct DRG neurite outgrowth. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2015, 26, 1327-1342.	3.5	27

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91	Localized and sustained release of brain-derived neurotrophic factor from injectable hydrogel/microparticle composites fosters spinal learning after spinal cord injury. <i>Journal of Materials Chemistry B</i> , 2016, 4, 7560-7571.	5.8	27
92	3D Printing with Nucleic Acid Adhesives. <i>ACS Biomaterials Science and Engineering</i> , 2015, 1, 19-26.	5.2	23
93	Neuron-targeted electrical modulation. <i>Science</i> , 2020, 367, 1303-1304.	12.6	23
94	Preservation of capillary-beds in rat lung tissue using optimized chemical decellularization. <i>Journal of Materials Chemistry B</i> , 2013, 1, 4801.	5.8	22
95	Progress toward finding the perfect match: hydrogels for treatment of central nervous system injury. <i>Materials Today Advances</i> , 2020, 6, 100039.	5.2	22
96	Preparation and evaluation of microfluidic magnetic alginate microparticles for magnetically templated hydrogels. <i>Journal of Colloid and Interface Science</i> , 2020, 561, 647-658.	9.4	20
97	Development of a magnetically aligned regenerative tissue-engineered electronic nerve interface for peripheral nerve applications. <i>Biomaterials</i> , 2021, 279, 121212.	11.4	20
98	Hippocampal and cortical neuronal growth mediated by the small molecule natural product clovanemagnolol. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 4808-4812.	2.2	19
99	Surface modification of neural electrodes with a pyrrole-hyaluronic acid conjugate to attenuate reactive astrogliosis in vivo. <i>RSC Advances</i> , 2015, 5, 39228-39231.	3.6	19
100	Functionalizing micro-3D-printed protein hydrogels for cell adhesion and patterning. <i>Journal of Materials Chemistry B</i> , 2016, 4, 1818-1826.	5.8	18
101	Wirelessly triggered bioactive molecule delivery from degradable electroactive polymer films. <i>Polymer International</i> , 2021, 70, 467-474.	3.1	17
102	Quantum dots for electrical stimulation of neural cells. , 2005, , .		16
103	Multiphoton microfabrication of conducting polymer-based biomaterials. <i>Journal of Materials Chemistry B</i> , 2015, 3, 5001-5004.	5.8	16
104	Oligonucleotide-functionalized hydrogels for sustained release of small molecule (aptamer) therapeutics. <i>Acta Biomaterialia</i> , 2020, 102, 315-325.	8.3	16
105	Engineering an Improved Acellular Nerve Graft via Optimized Chemical Processing. <i>Tissue Engineering</i> , 2004, 10, 1346-1358.	4.6	15
106	Rodent Models and Behavioral Outcomes of Cervical Spinal Cord Injury. <i>Journal of Spine</i> , 2013, Suppl 4, .	0.2	14
107	Lymphaticâ€”blood vessel transition in adult microvascular networks: A discovery made possible by a topâ€”down approach to biomimetic model development. <i>Microcirculation</i> , 2020, 27, e12595.	1.8	13
108	Microtopographical patterns promote different responses in fibroblasts and Schwann cells: A possible feature for neural implants. <i>Journal of Biomedical Materials Research - Part A</i> , 2021, 109, 64-76.	4.0	13

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109	Development of novel apoptosis-assisted lung tissue decellularization methods. <i>Biomaterials Science</i> , 2021, 9, 3485-3498.	5.4	13
110	Unique electrochemically synthesized polypyrrole:poly(lactic-co-glycolic acid) blends for biomedical applications. <i>Journal of Materials Chemistry</i> , 2010, 20, 8865.	6.7	12
111	Conducting polymer-based multilayer films for instructive biomaterial coatings. <i>Future Science OA</i> , 2015, 1, FSO79.	1.9	12
112	Affinity immobilization of a genetically engineered bifunctional hybrid protein. <i>Enzyme and Microbial Technology</i> , 1990, 12, 337-342.	3.2	11
113	Aptamer Antagonists of Myelin-Derived Inhibitors Promote Axon Growth. <i>PLoS ONE</i> , 2010, 5, e9726.	2.5	11
114	Optimization of Molecularly Imprinted Polymers of Serotonin for Biomaterial Applications. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2011, 22, 343-362.	3.5	11
115	Processing-size correlations in the preparation of magnetic alginate microspheres through emulsification and ionic crosslinking. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 529, 119-127.	4.7	11
116	Sacrificial crystal templating of hyaluronic acid-based hydrogels. <i>European Polymer Journal</i> , 2017, 87, 487-496.	5.4	11
117	Integration of flexible polyimide arrays into soft extracellular matrix-based hydrogel materials for a tissue-engineered electronic nerve interface (TEENI). <i>Journal of Neuroscience Methods</i> , 2020, 341, 108762.	2.5	11
118	Computational Model Provides Insight into the Distinct Responses of Neurons to Chemical and Topographical Cues. <i>Annals of Biomedical Engineering</i> , 2009, 37, 363-374.	2.5	10
119	Mechanical properties of calcium phosphate-based bone cements incorporating regenerative biomaterials for filling bone defects exposed to low mechanical loads. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2016, 104, 149-157.	3.4	10
120	Decellularized peripheral nerve as an injectable delivery vehicle for neural applications. <i>Journal of Biomedical Materials Research - Part A</i> , 2022, 110, 595-611.	4.0	10
121	Nano-opto-mechanical characterization of neuron membrane mechanics under cellular growth and differentiation. <i>Biomedical Microdevices</i> , 2008, 10, 611-622.	2.8	9
122	Ultrasound-guided photoacoustic imaging-directed re-endothelialization of acellular vasculature leads to improved vascular performance. <i>Acta Biomaterialia</i> , 2016, 32, 35-45.	8.3	9
123	Microphysiological system for studying contractile differences in young, active, and old, sedentary adult derived skeletal muscle cells. <i>Aging Cell</i> , 2022, 21, .	6.7	9
124	Surface modification of polypyrrole via affinity peptide: quantification and mechanism. <i>Journal of Materials Chemistry B</i> , 2013, 1, 1060.	5.8	7
125	Assessing Forelimb Function after Unilateral Cervical SCI using Novel Tasks: Limb Step-alternation, Postural Instability and Pasta Handling. <i>Journal of Visualized Experiments</i> , 2013, , e50955.	0.3	6
126	Supracolloidal Assemblies as Sacrificial Templates for Porous Silk-Based Biomaterials. <i>International Journal of Molecular Sciences</i> , 2015, 16, 20511-20522.	4.1	6

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127	Extracellular Matrix Disparities in an Nkx2-5 Mutant Mouse Model of Congenital Heart Disease. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 93.	2.4	6
128	Effects of Varied Stimulation Parameters on Adipose-Derived Stem Cell Response to Low-Level Electrical Fields. <i>Annals of Biomedical Engineering</i> , 2021, 49, 3401-3411.	2.5	6
129	Chondroitinase ABC/galectin-3 fusion proteins with hyaluronan-based hydrogels stabilize enzyme and provide targeted enzyme activity for neural applications. <i>Journal of Neural Engineering</i> , 2021, 18, 046090.	3.5	4
130	Genetic Modification of β -Gal Expression in Xenogeneic Endothelial Cells Yields a Complex Immunological Response. <i>Tissue Engineering</i> , 2001, 7, 743-756.	4.6	3
131	Design of a Novel Electrically Conducting Biocompatible Polymer with Degradable Linkages for Biomedical Applications. <i>Materials Research Society Symposia Proceedings</i> , 2006, 950, 1.	0.1	2
132	Assembly of sodium soap fibers and fibrillar particles triggered by dissolution of sodium chloride crystals. <i>Soft Matter</i> , 2010, 6, 3289.	2.7	2
133	Sensing Nerve Activity with Scalable and Robust Nerve Interfaces. , 2019, , .		2
134	Optimization of Quantum Dot β Gal Nerve Cell Interfaces. <i>Materials Research Society Symposia Proceedings</i> , 2003, 789, 318.	0.1	1
135	Fibrillar films obtained from sodium soap fibers and polyelectrolyte multilayers. <i>Journal of Biomedical Materials Research - Part A</i> , 2011, 98A, 287-295.	4.0	1
136	Neural Interfaces: Tissue-Engineered Peripheral Nerve Interfaces (Adv. Funct. Mater. 12/2018). <i>Advanced Functional Materials</i> , 2018, 28, 1870076.	14.9	1
137	The 2015 Young Innovators of Cellular and Molecular Bioengineering. <i>Cellular and Molecular Bioengineering</i> , 2015, 8, 305-306.	2.1	0
138	Macromol. Rapid Commun. 21/2015. <i>Macromolecular Rapid Communications</i> , 2015, 36, 1936-1936.	3.9	0
139	Stromal Vascular Fraction Vasculogenesis, Vessel Incorporation, and Integration with Intact Angiogenic Microvascular Networks in an Ex Vivo Cultured Tissue Model. <i>FASEB Journal</i> , 2019, 33, 517.5.	0.5	0