

Ann M Rajnicek

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

2,856
citations

394421

19
h-index

377865

34
g-index

41
all docs

41
docs citations

41
times ranked

3444
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Bioelectricity-Related Articles Selected by Ann M. Rajniecek, Media Editor of <i>Bioelectricity</i> . <i>Bioelectricity</i> , 2022, 4, 59-64.	1.1	0
2	Effectiveness of biomaterial-based combination strategies for spinal cord repair – a systematic review and meta-analysis of preclinical literature. <i>Spinal Cord</i> , 2022, 60, 1041-1049.	1.9	2
3	Bioelectricity Buzz. <i>Bioelectricity</i> , 2022, 4, 126-132.	1.1	0
4	Recent, Bioelectricity-Related Articles Selected by Ann M. Rajniecek, Media Editor of <i>Bioelectricity</i> . <i>Bioelectricity</i> , 2021, 3, 147-153.	1.1	0
5	Call for Special Issue Papers: Methodology of Research and Applications of Electric Fields. <i>Bioelectricity</i> , 2020, 2, 3-3.	1.1	0
6	Richard Borgens, 1946–2019. <i>Bioelectricity</i> , 2020, 2, 205-205.	1.1	0
7	Recent Bioelectricity-Related Articles Selected by Ann M. Rajniecek, Media Editor of <i>Bioelectricity</i> . <i>Bioelectricity</i> , 2020, 2, 405-410.	1.1	0
8	Methodology of Research and Applications of Electric Fields. <i>Bioelectricity</i> , 2020, 2, 320-320.	1.1	1
9	Roles for IFT172 and Primary Cilia in Cell Migration, Cell Division, and Neocortex Development. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 287.	3.7	17
10	Electric field gradients and bipolar electrochemistry effects on neural growth: A finite element study on immersed electroactive conducting electrode materials. <i>Electrochimica Acta</i> , 2019, 317, 102-111.	5.2	13
11	Electrical Stimulation Directs Migration, Enhances and Orients Cell Division and Upregulates the Chemokine Receptors CXCR4 and CXCR2 in Endothelial Cells. <i>Journal of Vascular Research</i> , 2019, 56, 39-53.	1.4	32
12	Physiological strength electric fields modulate human T cell activation and polarisation. <i>Scientific Reports</i> , 2019, 9, 17604.	3.3	21
13	The Bioelectricity Revolution: A Discussion Among the Founding Associate Editors. <i>Bioelectricity</i> , 2019, 1, 8-15.	1.1	1
14	A refined rat primary neonatal microglial culture method that reduces time, cost and animal use. <i>Journal of Neuroscience Methods</i> , 2018, 304, 92-102.	2.5	8
15	Controlling Nerve Growth with an Electric Field Induced Indirectly in Transparent Conductive Substrate Materials. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800473.	7.6	29
16	TiO ₂ surfaces support neuron growth during electric field stimulation. <i>Materials Science and Engineering C</i> , 2017, 79, 1-8.	7.3	8
17	The potential of <i>Antheraea pernyi</i> silk for spinal cord repair. <i>Scientific Reports</i> , 2017, 7, 13790.	3.3	16
18	Requirement of Pax6 for the integration of guidance cues in cell migration. <i>Royal Society Open Science</i> , 2017, 4, 170625.	2.4	5

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19	The core planar cell polarity gene, <i>Vangl2</i> , directs adult corneal epithelial cell alignment and migration. <i>Royal Society Open Science</i> , 2016, 3, 160658.	2.4	16
20	The ciliary GTPase Arl13b regulates cell migration and cell cycle progression. <i>Cell Adhesion and Migration</i> , 2016, 10, 393-405.	2.7	16
21	Electric fields are novel determinants of human macrophage functions. <i>Journal of Leukocyte Biology</i> , 2016, 99, 1141-1151.	3.3	104
22	Contact-mediated control of radial migration of corneal epithelial cells. <i>Molecular Vision</i> , 2016, 22, 990-1004.	1.1	19
23	Interaction between hedgehog signalling and PAX6 dosage mediates maintenance and regeneration of the corneal epithelium. <i>Molecular Vision</i> , 2012, 18, 139-50.	1.1	18
24	The role of electrical signals in murine corneal wound re-epithelialization. <i>Journal of Cellular Physiology</i> , 2011, 226, 1544-1553.	4.1	36
25	A role for PIP_2 , phosphatidylinositol and GPR55 in the modulation of migration, orientation and polarization of human breast cancer cells. <i>British Journal of Pharmacology</i> , 2010, 160, 762-771.	5.4	129
26	Electrical dimensions in cell science. <i>Journal of Cell Science</i> , 2009, 122, 4267-4276.	2.0	256
27	Chronic wound state exacerbated by oxidative stress in <i>Pax6</i> ^{+/+} aniridia-related keratopathy. <i>Journal of Pathology</i> , 2008, 215, 421-430.	4.5	46
28	Alignment of corneal and lens epithelial cells by co-operative effects of substratum topography and DC electric fields. <i>Biomaterials</i> , 2008, 29, 2082-2095.	11.4	66
29	Prioritising guidance cues: Directional migration induced by substratum contours and electrical gradients is controlled by a rho/cdc42 switch. <i>Developmental Biology</i> , 2007, 312, 448-460.	2.0	51
30	Hardwiring the Brain: Endocannabinoids Shape Neuronal Connectivity. <i>Science</i> , 2007, 316, 1212-1216.	12.6	463
31	Growth cone steering by a physiological electric field requires dynamic microtubules, microfilaments and Rac-mediated filopodial asymmetry. <i>Journal of Cell Science</i> , 2006, 119, 1736-1745.	2.0	85
32	Temporally and spatially coordinated roles for Rho, Rac, Cdc42 and their effectors in growth cone guidance by a physiological electric field. <i>Journal of Cell Science</i> , 2006, 119, 1723-1735.	2.0	100
33	Controlling Cell Behavior Electrically: Current Views and Future Potential. <i>Physiological Reviews</i> , 2005, 85, 943-978.	28.8	842
34	Has electrical growth cone guidance found its potential?. <i>Trends in Neurosciences</i> , 2002, 25, 354-359.	8.6	123
35	The Direction of Neurite Growth in a Weak DC Electric Field Depends on the Substratum: Contributions of Adhesivity and Net Surface Charge. <i>Developmental Biology</i> , 1998, 203, 412-423.	2.0	110
36	Electric fields induce curved growth of <i>Enterobacter cloacae</i> , <i>Escherichia coli</i> , and <i>Bacillus subtilis</i> cells: implications for mechanisms of galvanotropism and bacterial growth. <i>Journal of Bacteriology</i> , 1994, 176, 702-713.	2.2	37

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37	Electric field-induced orientation of rat hippocampal neurones in vitro. <i>Experimental Physiology</i> , 1992, 77, 229-232.	2.0	50
38	Electrical fields, nerve growth and nerve regeneration. <i>Experimental Physiology</i> , 1991, 76, 473-494.	2.0	89
39	Computer-aided analysis of polarized neurite growth effects of applied electrical fields on neuronal development. <i>Journal of Neuroscience Methods</i> , 1990, 32, 45-54.	2.5	4
40	An endogenous sodium current may mediate wound healing in <i>Xenopus</i> neurulae. <i>Developmental Biology</i> , 1988, 128, 290-299.	2.0	43