

Donald K Martin

List of Publications by Year in descending order

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66
papers

1,211
citations

394286

19
h-index

395590

33
g-index

67
all docs

67
docs citations

67
times ranked

1619
citing authors

#	ARTICLE	IF	CITATIONS
1	Cell contractile force measured using a deformable hollow capsule. The EuroBiotech Journal, 2022, 6, 89-98.	0.5	0
2	Ultrasound-stimulated Brownian ratchet enhances diffusion of molecules retained in hydrogels. Nanomedicine: Nanotechnology, Biology, and Medicine, 2021, 31, 102308.	1.7	2
3	A brief overview of global biotechnology. Biotechnology and Biotechnological Equipment, 2021, 35, S5-S14.	0.5	14
4	Cell-free expression of the outer membrane protein OprF of <i>Pseudomonas aeruginosa</i> for vaccine purposes. Life Science Alliance, 2021, 4, e202000958.	1.3	10
5	Nanostructural Characterization of Cardiolipin-Containing Tethered Lipid Bilayers Adsorbed on Gold and Silicon Substrates for Protein Incorporation. Langmuir, 2021, 37, 8908-8923.	1.6	5
6	Long duration stabilization of porous silicon membranes in physiological media: Application for implantable reactors. Materials Science and Engineering C, 2020, 108, 110359.	3.8	2
7	Advances in Translational Nanotechnology: Challenges and Opportunities. Applied Sciences (Switzerland), 2020, 10, 4881.	1.3	6
8	Physicochemical Evidence that Francisella FupA and FupB Proteins Are Porins. International Journal of Molecular Sciences, 2020, 21, 5496.	1.8	6
9	Freedom of Master's Degree Students to Study in Health Curricula: Switching to Optimized Blended Learning as a Solution!. Yearbook of Medical Informatics, 2020, 29, 247-252.	0.8	2
10	Challenges for the Implantation of Symbiotic Nanostructured Medical Devices. Applied Sciences (Switzerland), 2020, 10, 2923.	1.3	2
11	The biocompatibility of biofuel cells operating inside the body. Biochemical Society Transactions, 2020, 48, 867-879.	1.6	2
12	Improved micro-impedance spectroscopy to determine cell barrier properties. The EuroBiotech Journal, 2020, 4, 150-155.	0.5	3
13	Biostatistics Disruptive Acculturation Through Serious Gaming: A New Hope. Studies in Health Technology and Informatics, 2020, 270, 1215-1216.	0.2	1
14	A PANI supported lipid bilayer that contains NhaA transporter proteins provides a basis for a biomimetic biocapacitor. Chemical Communications, 2019, 55, 13152-13155.	2.2	3
15	Low-frequency ultrasound can drive the transport of nanoparticles and molecules in polymer gels for biotechnology applications. The EuroBiotech Journal, 2019, 3, 1-9.	0.5	4
16	Future Biotechnology. The EuroBiotech Journal, 2019, 3, 53-56.	0.5	4
17	Blended Learning for French Health Students: Does Acceptance of a Learning Management System Influence Students' Self-Efficacy?. Studies in Health Technology and Informatics, 2019, 264, 1169-1173.	0.2	0
18	Remote wireless control of an enzymatic biofuel cell implanted in a rabbit for 2 months. Electrochimica Acta, 2018, 269, 360-366.	2.6	82

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19	Biomimetic and Bioinspired Biotechnology. <i>Biotechnology Journal</i> , 2018, 13, e1800670.	1.8	2
20	Optimization of Laccase Adsorption-Desorption Behaviors on Multi-Walled Carbon Nanotubes for Enzymatic Biocathodes. <i>Makara Journal of Science</i> , 2018, 22, .	1.1	3
21	A Biomimetic Lipid Membrane Device Reveals the Interaction of Cancer Biomarkers with Human Serum Lipidic Moieties. <i>Biotechnology Journal</i> , 2018, 13, e1800463.	1.8	2
22	Tackling the Concept of Symbiotic Implantable Medical Devices with Nanobiotechnologies. <i>Biotechnology Journal</i> , 2018, 13, 1800102.	1.8	7
23	Challenges for successful implantation of biofuel cells. <i>Bioelectrochemistry</i> , 2018, 124, 57-72.	2.4	171
24	3D polyelectrolyte scaffolds to mimic exocrine glands: a step towards a prostate-on-chip platform. <i>The EuroBiotech Journal</i> , 2018, 2, 180-191.	0.5	1
25	Performance and stability of chitosan-MWCNTs-laccase biocathode: Effect of MWCNTs surface charges and ionic strength. <i>Journal of Electroanalytical Chemistry</i> , 2017, 799, 26-33.	1.9	21
26	Functional Characterization of Cell-Free Expressed OprF Porin from <i>Pseudomonas aeruginosa</i> Stably Incorporated in Tethered Lipid Bilayers. <i>Langmuir</i> , 2017, 33, 9988-9996.	1.6	20
27	Deciphering Cell Intrinsic Properties: A Key Issue for Robust Organoid Production. <i>Trends in Biotechnology</i> , 2017, 35, 1035-1048.	4.9	18
28	Coupling neutron reflectivity with cell-free protein synthesis to probe membrane protein structure in supported bilayers. <i>Scientific Reports</i> , 2017, 7, 3399.	1.6	20
29	Nanostructural determination of a lipid bilayer tethered to a gold substrate. <i>European Physical Journal E</i> , 2016, 39, 123.	0.7	8
30	A 3D Toolbox to Enhance Physiological Relevance of Human Tissue Models. <i>Trends in Biotechnology</i> , 2016, 34, 757-769.	4.9	57
31	Cell-free production of VDAC directly into liposomes for integration with biomimetic membrane systems. <i>Preparative Biochemistry and Biotechnology</i> , 2016, 46, 546-551.	1.0	6
32	Facile Bench-Top Fabrication of Enclosed Circular Microchannels Provides 3D Confined Structure for Growth of Prostate Epithelial Cells. <i>PLoS ONE</i> , 2014, 9, e99416.	1.1	20
33	Biocompatible implantable biofuel cell. , 2014, , .		2
34	Chitosan improves stability of carbon nanotube biocathodes for glucose biofuel cells. <i>Chemical Communications</i> , 2014, 50, 14535-14538.	2.2	40
35	The modulation of attachment, growth and morphology of cancerous prostate cells by polyelectrolyte nanofilms. <i>Biomaterials</i> , 2013, 34, 10099-10108.	5.7	13
36	Biomimetic Membrane System Composed of a Composite Interpenetrating Hydrogel Film and a Lipid Bilayer. <i>Advanced Functional Materials</i> , 2012, 22, 4259-4267.	7.8	7

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37	Osmolality of the tear fluid in the contralateral eye during monocular contact lens wear. <i>Acta Ophthalmologica</i> , 2009, 65, 551-555.	0.6	35
38	Novel Engineered Ion Channel Provides Controllable Ion Permeability for Polyelectrolyte Microcapsules Coated with a Lipid Membrane. <i>Advanced Functional Materials</i> , 2009, 19, 201-208.	7.8	27
39	Role of Chloride Channels in Regulating the Volume of Acinar Cells of the Rabbit Superior Lacrimal Gland. , 2008, 49, 5517.		8
40	The Significance of Biomimetic Membrane Nanobiotechnology to Biomedical Applications. , 2007, , 1-21.		0
41	Gramicidin Ion Channel-Based Biosensors: Construction, Stochastic Dynamical Models, and Statistical Detection Algorithms. <i>IEEE Sensors Journal</i> , 2007, 7, 1281-1288.	2.4	9
42	Mesoporous gold electrodes for sensors based on electrochemical double layer capacitance. <i>Sensors and Actuators B: Chemical</i> , 2007, 123, 262-268.	4.0	43
43	Applications of Protein-Based Capacitive Biosensors for the Detection of Heavy-Metal Ions. , 2006, , .		0
44	An in vitro study of the effects of exposure to a GSM signal in two human cell lines: Monocytic U937 and neuroblastoma SK-N-SH. <i>Cell Biology International</i> , 2006, 30, 793-799.	1.4	57
45	Basic and Clinical Aspects of Gene Therapy for Retinopathy Induced by Diabetes. <i>Current Gene Therapy</i> , 2006, 6, 193-214.	0.9	8
46	Elucidating the structure and function of S100 proteins in membranes. , 2005, 6036, 319.		0
47	Structural properties of liposomes from digital holographic microscopy. , 2005, , .		5
48	Direct compression of the failing heart reestablishes maximal mechanical efficiency. <i>Annals of Thoracic Surgery</i> , 2003, 75, 190-196.	0.7	8
49	Large Mg ²⁺ -dependent currents are associated with the increased expression of ALR1 in <i>Saccharomyces cerevisiae</i> . <i>FEMS Microbiology Letters</i> , 2002, 213, 231-237.	0.7	1
50	Alternative hypothesis for efficacy of macrolides in acute coronary syndromes. <i>Lancet, The</i> , 1998, 351, 1858-1859.	6.3	28
51	Comparative Study of the Effects of Erythromycin and Roxithromycin on Action Potential Duration and Potassium Currents in Canine Purkinje Fibers and Rabbit Myocardium. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , 1998, 3, 29-36.	1.0	8
52	The Novel Class III Antiarrhythmic Agent MS-551 Blocks the Cardiac Inward Rectifier With Greater Potency Than Sotalol or E-4031: Possible Relevance to Reverse Use Dependence. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , 1997, 2, 39-46.	1.0	2
53	Modulation of the Electrophysiologic Actions of E-4031 and Dofetilide by Hyperkalemia and Acidosis in Rabbit Ventricular Myocytes. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , 1997, 2, 205-212.	1.0	7
54	Molecular Cloning and Expression of a Chloride Ion Channel of Cell Nuclei. <i>Journal of Biological Chemistry</i> , 1997, 272, 12575-12582.	1.6	185

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55	Chloride Ion Channels Are Associated with Adherence of Lymphatic Endothelial Cells. <i>Microvascular Research</i> , 1996, 52, 200-209.	1.1	6
56	Effect of Dofetilide and d-Sotalol on the ATP-Sensitive Potassium Channel of Rabbit Ventricular Myocytes. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , 1996, 1, 307-312.	1.0	5
57	Kainic acid blocks a TTX-sensitive sodium channel in retinal horizontal cells of the turtle (<i>Pseudemys</i>) Tj ETQq1 1 0.784314 rgBT /Over 0.6	0.6	3
58	Effect of the Class III Antiarrhythmic Agent Eä€4031 on the ATPä€Sensitive Potassium Channel in Rabbit Ventricular Myocytes. <i>Basic and Clinical Pharmacology and Toxicology</i> , 1996, 78, 89-93.	0.0	7
59	Inhibition of ATPä€Sensitive Potassium Channels in Cardiac Myocytes by the Novel Class III Antiarrhythmic Agent MSä€51. <i>Basic and Clinical Pharmacology and Toxicology</i> , 1995, 77, 65-70.	0.0	22
60	Water transport in dehydrating hydrogel contact lenses: Implications for corneal desiccation. <i>Journal of Biomedical Materials Research Part B</i> , 1995, 29, 857-865.	3.0	19
61	Effects of disopyramide and flecainide on the kinetics of inward rectifier potassium channels in rabbit heart muscle. <i>British Journal of Pharmacology</i> , 1994, 111, 873-879.	2.7	20
62	A Unifying Parameter to Describe the Clinical Mechanics of Hydrogel Contact Lenses. <i>Optometry and Vision Science</i> , 1989, 66, 87-91.	0.6	32
63	The presence of a contact lens induces a very small increase in the anterior corneal surface temperature. <i>Acta Ophthalmologica</i> , 1986, 64, 512-518.	0.6	40
64	Physiological Response of the Contralateral Cornea to Monocular Hydrogel Contact Lens Wear. <i>Optometry and Vision Science</i> , 1984, 61, 517-522.	0.6	11
65	A New Method for Measuring the Diameter of the in Vivo Human Cornea. <i>Optometry and Vision Science</i> , 1982, 59, 436-441.	0.6	44
66	A Home Training Procedure for Relative Vergences. <i>Australasian journal of optometry</i> , The, 1981, 64, 158-160.	0.6	0