

Alex R Harris

List of Publications by Year in Descending Order

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Version: 2024-04-17

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

56
papers

1,056
citations

19
h-index

31
g-index

58
ext. papers

1,163
ext. citations

4.5
avg, IF

4.53
L-index

#	Paper	IF	Citations
56	Comparison of the In Vitro and In Vivo Electrochemical Performance of Bionic Electrodes.. <i>Micromachines</i> , 2022 , 13,	3.3	2
55	Visualising the risks of clinical trials for fair treatment and appropriate informed consent of participants.. <i>Graefets Archive for Clinical and Experimental Ophthalmology</i> , 2022 , 1	3.8	1
54	Military Medicine Research: Incorporation of High Risk of Irreversible Harms into a Stratified Risk Framework for Clinical Trials. <i>Military and Humanitarian Health Ethics</i> , 2022 , 253-273	0.3	1
53	Restoring vision using optogenetics without being blind to the risks. <i>Graefets Archive for Clinical and Experimental Ophthalmology</i> , 2021 , 260, 41	3.8	5
52	Fibrinogen, collagen, and transferrin adsorption to poly(3,4-ethylenedioxythiophene)-xylooligomer-uronic glycan composite conducting polymer biomaterials for wound healing applications. <i>Biointerphases</i> , 2021 , 16, 021003	1.8	4
51	Induced Pluripotent Stem Cell-Based Systems for Personalising Epilepsy Treatment: Research Ethics Challenges and New Insights for the Ethics of Personalised Medicine. <i>AJOB Neuroscience</i> , 2021 , 1-12	0.8	2
50	Burnt in Your Memory or Burnt Memory? Ethical Issues with Optogenetics for Memory Modification. <i>AJOB Neuroscience</i> , 2021 , 12, 22-24	0.8	3
49	Understanding Charge Transfer on the Clinically Used Conical Utah Electrode Array: Charge Storage Capacity, Electrochemical Impedance Spectroscopy and Effective Electrode Area. <i>Journal of Neural Engineering</i> , 2021 ,	5	1
48	Impact of Protein Fouling on the Charge Injection Capacity, Impedance, and Effective Electrode Area of Platinum Electrodes for Bionic Devices. <i>ChemElectroChem</i> , 2021 , 8, 1078-1090	4.3	5
47	Current perspectives on the safe electrical stimulation of peripheral nerves with platinum electrodes. <i>Bioelectronics in Medicine</i> , 2020 , 3, 37-49	2.1	4
46	Modeling Emergent Properties in the Brain Using Tissue Models to Investigate Neurodegenerative Disease. <i>Neuroscientist</i> , 2020 , 26, 224-230	7.6	1
45	Facile Development of a Fiber-Based Electrode for Highly Selective and Sensitive Detection of Dopamine. <i>ACS Sensors</i> , 2019 , 4, 2599-2604	9.2	21
44	Using Chronopotentiometry to Better Characterize the Charge Injection Mechanisms of Platinum Electrodes Used in Bionic Devices. <i>Frontiers in Neuroscience</i> , 2019 , 13, 380	5.1	11
43	Predicting neural recording performance of implantable electrodes. <i>Analyst, The</i> , 2019 , 144, 2973-2983	5	8
42	Electrochemical methods for analysing and controlling charge transfer at the electrode-tissue interface. <i>Current Opinion in Electrochemistry</i> , 2019 , 16, 143-148	7.2	8
41	Insights into the Electron Transfer Kinetics, Capacitance and Resistance Effects of Implantable Electrodes Using Fourier Transform AC Voltammetry on Platinum. <i>Journal of the Electrochemical Society</i> , 2019 , 166, G131-G140	3.9	7
40	Biomedical Applications of Organic Conducting Polymers 2019 , 783-812		1

39	Measuring the effective area and charge density of platinum electrodes for bionic devices. <i>Journal of Neural Engineering</i> , 2018 , 15, 046015	5	20
38	PEDOT doped with algal, mammalian and synthetic dopants: polymer properties, protein and cell interactions, and influence of electrical stimulation on neuronal cell differentiation. <i>Biomaterials Science</i> , 2018 , 6, 1250-1261	7.4	19
37	Organic Electrodes and Communications with Excitable Cells. <i>Advanced Functional Materials</i> , 2018 , 28, 1700587	15.6	33
36	Charge Injection from Chronoamperometry of Platinum Electrodes for Bionic Devices. <i>Journal of the Electrochemical Society</i> , 2018 , 165, G3033-G3041	3.9	6
35	Effective Area and Charge Density of Iridium Oxide Neural Electrodes. <i>Electrochimica Acta</i> , 2017 , 230, 285-292	6.7	9
34	Correlation of Impedance and Effective Electrode Area of Iridium Oxide Neural Electrodes. <i>Australian Journal of Chemistry</i> , 2017 , 70, 1016	1.2	5
33	Effective area and charge density of dextran sulphate doped PEDOT modified electrodes. <i>Synthetic Metals</i> , 2016 , 220, 394-401	3.6	9
32	Conductive and protein resistant polypyrrole films for dexamethasone delivery. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 2570-2577	7.3	11
31	Effective Area and Charge Density of Chondroitin Sulphate Doped PEDOT Modified Electrodes. <i>Electrochimica Acta</i> , 2016 , 197, 99-106	6.7	8
30	Thin-film micro-electrode stimulation of the cochlea in rats exposed to aminoglycoside induced hearing loss. <i>Hearing Research</i> , 2016 , 331, 13-26	3.9	10
29	Correlation of impedance and effective electrode area of chondroitin sulphate doped PEDOT modified electrodes. <i>Synthetic Metals</i> , 2016 , 222, 338-343	3.6	3
28	Correlation of Impedance and Effective Electrode Area of Dextran Sulfate Doped PEDOT Modified Electrodes. <i>Journal of the Electrochemical Society</i> , 2016 , 163, H534-H540	3.9	5
27	Is a Last Chance Treatment Possible After an Irreversible Brain Intervention?. <i>AJOB Neuroscience</i> , 2015 , 6, W1-W2	0.8	6
26	Correlation of the impedance and effective electrode area of doped PEDOT modified electrodes for brain-machine interfaces. <i>Analyst, The</i> , 2015 , 140, 3164-74	5	19
25	Optical and electrochemical methods for determining the effective area and charge density of conducting polymer modified electrodes for neural stimulation. <i>Analytical Chemistry</i> , 2015 , 87, 738-46	7.8	21
24	Controlling Brain Cells With Light: Ethical Considerations for Optogenetic Clinical Trials. <i>AJOB Neuroscience</i> , 2014 , 5, 3-11	0.8	68
23	A method for systematic electrochemical and electrophysiological evaluation of neural recording electrodes. <i>Journal of Visualized Experiments</i> , 2014 ,	1.6	2
22	Applications of voltammetric ion selective electrodes to complex matrices. <i>Analytical Methods</i> , 2013 , 5, 3840	3.2	26

21	Conducting polymer coated neural recording electrodes. <i>Journal of Neural Engineering</i> , 2013 , 10, 016004		84
20	Efficacy Testing as a Primary Purpose of Phase 1 Clinical Trials: Is it Applicable to First-in-Human Bionics and Optogenetics Trials?. <i>AJOB Neuroscience</i> , 2012 , 3, 20-22	0.8	10
19	Enhanced x-ray imaging for a thin film cochlear implant with metal artefacts using phase retrieval tomography. <i>Journal of Applied Physics</i> , 2012 , 111, 114904	2.5	
18	Voltammetric ion-selective electrodes for the selective determination of cations and anions. <i>Analytical Chemistry</i> , 2010 , 82, 1624-33	7.8	40
17	Theoretical and experimental evaluation of screen-printed tubular carbon ink disposable sensor well electrodes by dc and Fourier transformed ac voltammetry. <i>Journal of Solid State Electrochemistry</i> , 2009 , 13, 551-563	2.6	13
16	AFM study of morphological changes associated with electrochemical solid-solid transformation of three-dimensional crystals of TCNQ to metal derivatives (metal = Cu, Co, Ni; TCNQ = tetracyanoquinodimethane). <i>Journal of Solid State Electrochemistry</i> , 2008 , 12, 739-746	2.6	20
15	Efficient strategy for quality control of screen-printed carbon ink disposable sensor electrodes based on simultaneous evaluation of resistance, capacitance and Faradaic current by Fourier transform AC voltammetry. <i>Journal of Solid State Electrochemistry</i> , 2008 , 12, 1301-1315	2.6	10
14	Voltammetric, Spectroscopic, and Microscopic Investigations of Electrocrystallized Forms of Semiconducting AgTCNQ (TCNQ = 7,7,8,8-Tetracyanoquinodimethane) Exhibiting Different Morphologies and Colors. <i>Chemistry of Materials</i> , 2007 , 19, 5499-5509	9.6	39
13	Tuning the electrocrystallization parameters of semiconducting Co[TCNQ] ₂ -based materials to yield either single nanowires or crystalline thin films. <i>Journal of the American Chemical Society</i> , 2007 , 129, 2369-82	16.4	73
12	Characterisation of two distinctly different processes associated with the electrocrystallization of microcrystals of phase I CuTCNQ (TCNQ = 7,7,8,8-tetracyanoquinodimethane). <i>Journal of Materials Chemistry</i> , 2006 , 16, 4397		29
11	Electrochemical studies of porphyrin-appended dendrimers. <i>Physical Chemistry Chemical Physics</i> , 2006 , 8, 2058-65	3.6	23
10	Electrocrystallization of Phase I, CuTCNQ (TCNQ = 7,7,8,8-Tetracyanoquinodimethane), on indium tin oxide and boron-doped diamond electrodes. <i>Langmuir</i> , 2006 , 22, 10499-505	4	28
9	Voltammetric, EQCM, Spectroscopic, and Microscopic Studies on the Electrocrystallization of Semiconducting, Phase I, CuTCNQ on Carbon, Gold, and Platinum Electrodes by a Nucleation-Growth Process. <i>Journal of the Electrochemical Society</i> , 2005 , 152, C577	3.9	56
8	Coordination Polymers of Dicyanamide and Methylpyrazine: Syntheses, Structures, and Magnetic Properties. <i>Crystal Growth and Design</i> , 2004 , 4, 605-610	3.5	46
7	Crystal Engineering with Mercuric Chloride. <i>Crystal Growth and Design</i> , 2002 , 2, 87-89	3.5	38
6	Structural and Magnetic Properties of the Coordination Polymer Mn(dca) ₂ (H ₂ O) ₂ ·Me ₄ pyz, dca = Dicyanamide (N(CN) ₂ -), Me ₄ pyz = Tetramethylpyrazine. <i>Australian Journal of Chemistry</i> , 2002 , 55, 311	1.2	18
5	Structure and magnetism of the ladder-like coordination polymer Co ₃ (dca) ₂ (nic) ₄ (H ₂ O) ₈ ·H ₂ O [dca = dicyanamide anion, N(CN) ₂ ⁻ ; nic = nicotinate anion]. <i>CrystEngComm</i> , 2002 , 4, 202-204	3.3	19
4	trans-Tetraaquabis(pyridine-4-carboxylate- κ -N)nickel(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2001 , 57, m7-m8		5

- 3 trans-Tetraaquabis(pyridine-3-carboxylate- κ -N)nickel(II). *Acta Crystallographica Section E: Structure Reports Online*, **2001**, 57, m9-m11 9
- 2 Phase change in tetraphenylphosphonium perchlorate. *Acta Crystallographica Section C: Crystal Structure Communications*, **2000**, 56 Pt 11, 1394-5 1
- 1 Copper(I) dicyanamide coordination polymers: ladders, sheets, layers, diamond-like networks and unusual interpenetration. *Dalton Transactions RSC*, **2000**, 3829-3836 130