

Amin Morteza-Najarian

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

822
citations

471509

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501196

28
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31
all docs

31
docs citations

31
times ranked

807
citing authors

#	ARTICLE	IF	CITATIONS
1	Colloidal quantum dot photodetectors with 10-ns response time and 80% quantum efficiency at 1,550Ånm. <i>Matter</i> , 2021, 4, 1042-1053.	10.0	88
2	Speciation of chromium in environmental samples by dual electromembrane extraction system followed by high performance liquid chromatography. <i>Analytica Chimica Acta</i> , 2013, 789, 58-64.	5.4	85
3	Robust All-Carbon Molecular Junctions on Flexible or Semi-Transparent Substrates Using a Process-Friendly Fabrication. <i>ACS Nano</i> , 2016, 10, 8918-8928.	14.6	61
4	Electromembrane extraction combined with gas chromatography for quantification of tricyclic antidepressants in human body fluids. <i>Analytica Chimica Acta</i> , 2012, 725, 51-56.	5.4	58
5	Orthogonal colloidal quantum dot inks enable efficient multilayer optoelectronic devices. <i>Nature Communications</i> , 2020, 11, 4814.	12.8	48
6	Two-phase electromembrane extraction followed by gas chromatography-mass spectrometry analysis. <i>Journal of Separation Science</i> , 2013, 36, 736-743.	2.5	47
7	Facet-Oriented Coupling Enables Fast and Sensitive Colloidal Quantum Dot Photodetectors. <i>Advanced Materials</i> , 2021, 33, e2101056.	21.0	42
8	Rigid Conjugated Diamine Templates for Stable Dion-Jacobson-Type Two-Dimensional Perovskites. <i>Journal of the American Chemical Society</i> , 2021, 143, 19901-19908.	13.7	39
9	Structure Controlled Long-Range Sequential Tunneling in Carbon-Based Molecular Junctions. <i>ACS Nano</i> , 2017, 11, 3542-3552.	14.6	38
10	Ligand Exchange at a Covalent Surface Enables Balanced Stoichiometry in III-V Colloidal Quantum Dots. <i>Nano Letters</i> , 2021, 21, 6057-6063.	9.1	34
11	Orbital Control of Photocurrents in Large Area All-Carbon Molecular Junctions. <i>Journal of the American Chemical Society</i> , 2018, 140, 1900-1909.	13.7	31
12	Electromembrane extraction of zwitterionic compounds as acid or base: Comparison of extraction behavior at acidic and basic pHs. <i>Analytica Chimica Acta</i> , 2012, 745, 45-52.	5.4	29
13	Electron transport in all-carbon molecular electronic devices. <i>Faraday Discussions</i> , 2014, 172, 9-25.	3.2	26
14	Ultraflat, Pristine, and Robust Carbon Electrode for Fast Electron-Transfer Kinetics. <i>Analytical Chemistry</i> , 2017, 89, 13532-13540.	6.5	22
15	Long-Range Activationless Photostimulated Charge Transport in Symmetric Molecular Junctions. <i>ACS Nano</i> , 2019, 13, 867-877.	14.6	22
16	Structural Distortion and Bandgap Increase of Two-Dimensional Perovskites Induced by Trifluoromethyl Substitution on Spacer Cations. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 10144-10149.	4.6	22
17	Linear Electro-Optic Modulation in Highly Polarizable Organic Perovskites. <i>Advanced Materials</i> , 2021, 33, e2006368.	21.0	20
18	Self-Inhibitory Electron Transfer of the Co(III)/Co(II)-Complex Redox Couple at Pristine Carbon Electrode. <i>Analytical Chemistry</i> , 2018, 90, 11115-11123.	6.5	19

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19	Orbital Control of Long-Range Transport in Conjugated and Metal-Centered Molecular Electronic Junctions. <i>Journal of Physical Chemistry C</i> , 2018, 122, 29028-29038.	3.1	16
20	Solvent selection in ultrasonic-assisted emulsification microextraction: Comparison between high- and low-density solvents by means of novel type of extraction vessel. <i>Analytica Chimica Acta</i> , 2014, 838, 51-57.	5.4	13
21	Electro-Optic Modulation Using Metal-Free Perovskites. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 19042-19047.	8.0	12
22	Hubbard Nonequilibrium Green's Function Analysis of Photocurrent in Nitroazobenzene Molecular Junction. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1550-1557.	4.6	9
23	Electrostatic Redox Reactions and Charge Storage in Molecular Electronic Junctions. <i>Journal of Physical Chemistry C</i> , 2020, 124, 1739-1748.	3.1	9
24	Hole free phase plate tomography for materials sciences samples. <i>Micron</i> , 2019, 116, 54-60.	2.2	8
25	The Impact of Ion Migration on the Electro-Optic Effect in Hybrid Organic-Inorganic Perovskites. <i>Advanced Functional Materials</i> , 2022, 32, 2107939.	14.9	7
26	Self-Aligned Non-Centrosymmetric Conjugated Molecules Enable Electro-Optic Perovskites. <i>Advanced Optical Materials</i> , 0, , 2100730.	7.3	6
27	Preconcentration of Lead in Sugar Samples by Solid Phase Extraction and Its Determination by Flame Atomic Absorption Spectrometry. <i>American Journal of Analytical Chemistry</i> , 2011, 02, 626-631.	0.9	5
28	Surface plasmon driven lowering of the electron emission order in a carbon/gold bilayer film. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	3
29	Hole Free Phase Plate Electron Tomography in Material Sciences. <i>Microscopy and Microanalysis</i> , 2018, 24, 2224-2225.	0.4	2