

Martin H Moore

List of Publications by Year in descending order

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50
papers

2,059
citations

218677

26
h-index

233421

45
g-index

50
all docs

50
docs citations

50
times ranked

2408
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Bond-Length Alternation in Molecular Wires. <i>Journal of the American Chemical Society</i> , 2002, 124, 10654-10655.	13.7	294
2	Ligand Effects on Charge Transport in Platinum(II) Acetylides. <i>Journal of the American Chemical Society</i> , 2003, 125, 3202-3203.	13.7	159
3	Ru ₂ (ap) ₄ (f-oligo(phenyleneethynyl)) Molecular Wires: Synthesis and Electronic Characterization. <i>Journal of the American Chemical Society</i> , 2005, 127, 10010-10011.	13.7	151
4	Array Biosensor for Detection of Ochratoxin A in Cereals and Beverages. <i>Analytical Chemistry</i> , 2005, 77, 148-154.	6.5	126
5	Effects of hydration on molecular junction transport. <i>Nature Materials</i> , 2006, 5, 901-908.	27.5	110
6	Indirect competitive immunoassay for detection of aflatoxin B1 in corn and nut products using the array biosensor. <i>Biosensors and Bioelectronics</i> , 2006, 21, 2298-2305.	10.1	109
7	Rapid detection of foodborne contaminants using an Array Biosensor. <i>Sensors and Actuators B: Chemical</i> , 2006, 113, 599-607.	7.8	103
8	Detection of Deoxynivalenol in Foods and Indoor Air Using an Array Biosensor. <i>Environmental Science & Technology</i> , 2006, 40, 2352-2356.	10.0	74
9	Charge Transport and Scaling in Molecular Wires. <i>Journal of Physical Chemistry B</i> , 2004, 108, 18124-18128.	2.6	65
10	Biotemplating rod-like viruses for the synthesis of copper nanorods and nanowires. <i>Journal of Nanobiotechnology</i> , 2012, 10, 18.	9.1	62
11	Development of Antiricin Single Domain Antibodies Toward Detection and Therapeutic Reagents. <i>Analytical Chemistry</i> , 2008, 80, 9604-9611.	6.5	58
12	Rotational viscosity and molecular structure of nematic liquid crystals. <i>Liquid Crystals</i> , 2006, 33, 67-73.	2.2	57
13	Magnetic directed assembly of molecular junctions. <i>Applied Physics Letters</i> , 2005, 86, 153105.	3.3	47
14	Rapid Proton-coupled Electron-transfer of Hydroquinone through Phenylenevinylene Bridges. <i>Langmuir</i> , 2007, 23, 942-948.	3.5	41
15	Allomelanin: A Biopolymer of Intrinsic Microporosity. <i>Journal of the American Chemical Society</i> , 2021, 143, 4005-4016.	13.7	41
16	Heterogeneous electron transfer of quinone-hydroquinone in alkaline solutions at gold electrode surfaces: Comparison of saturated and unsaturated bridges. <i>Journal of Electroanalytical Chemistry</i> , 2007, 606, 33-38.	3.8	39
17	Multiplexed Detection of Mycotoxins in Foods with a Regenerable Array. <i>Journal of Food Protection</i> , 2006, 69, 3047-3051.	1.7	38
18	Molecular electronics based nanosensors on a viral scaffold. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2852-2857.	10.1	35

#	ARTICLE	IF	CITATIONS
19	Environmental Decontamination of a Chemical Warfare Simulant Utilizing a Membrane Vesicle-Encapsulated Phosphotriesterase. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 15712-15719.	8.0	35
20	Photosensitive Triethoxysilane Derivatives for Alignment of Liquid Crystals. <i>Chemistry of Materials</i> , 2000, 12, 3288-3295.	6.7	34
21	Sequential Deprotection for Control of Orientation in the Self-Assembly of Asymmetric Molecules for Molecular Electronic Devices. <i>Langmuir</i> , 2004, 20, 1838-1842.	3.5	32
22	Templated self-assembly of quantum dots from aqueous solution using protein scaffolds. <i>Nanotechnology</i> , 2006, 17, 5073-5079.	2.6	32
23	Synthetic Porous Melanin. <i>Journal of the American Chemical Society</i> , 2021, 143, 3094-3103.	13.7	30
24	Dipolar cycloaddition reactions on a soluble polymer-supported dipolarophile: Synthesis of sugar-derived triazoles. <i>Tetrahedron Letters</i> , 1998, 39, 7027-7030.	1.4	29
25	Surface Reactivity of the Quinone/Hydroquinone Redox Center Tethered to Gold: Comparison of Delocalized and Saturated Bridges. <i>Journal of the American Chemical Society</i> , 2008, 130, 5579-5585.	13.7	29
26	Synthesis and electrochemistry of self-assembled monolayers containing quinone derivatives with varying electronic conjugation. <i>Journal of Electroanalytical Chemistry</i> , 2009, 628, 125-133.	3.8	26
27	Development of a Genetic System for <i>Marinobacter atlanticus</i> CP1 (sp. nov.), a Wax Ester Producing Strain Isolated From an Autotrophic Biocathode. <i>Frontiers in Microbiology</i> , 2018, 9, 3176.	3.5	26
28	Quantum Dot Fluorescence as a Function of Alkyl Chain Length in Aqueous Environments. <i>Langmuir</i> , 2008, 24, 9194-9197.	3.5	25
29	Accelerating the initial rate of hydrolysis of methyl parathion with laser excitation using monolayer protected 10 nm Au nanoparticles capped with a Cu(bpy) catalyst. <i>Chemical Communications</i> , 2012, 48, 4121.	4.1	14
30	Synthesis and characterization of wire-like Ru ₂ (ap) ₄ -[if-oligo(phenylene ethynyl)] compounds. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 4734-4739.	1.8	13
31	An Elastomeric Poly(Thiophene-EDOT) Composite with a Dynamically Variable Permeability Towards Organic and Water Vapors. <i>Advanced Functional Materials</i> , 2012, 22, 3116-3127.	14.9	13
32	Kinetic analysis of the hydrolysis of methyl parathion using citrate-stabilized 10 nm gold nanoparticles. <i>Chemosphere</i> , 2016, 144, 1916-1919.	8.2	13
33	Photocurrents from the Direct Irradiation of a Donor-Acceptor Complex Contained in a Thin Film on Indium Tin Oxide. <i>Journal of Physical Chemistry C</i> , 2011, 115, 13446-13461.	3.1	12
34	Bead-Based Fluid Array Detection of Pentaerythritol Tetranitrate: Comparison of Monoclonal vs. Llama Polyclonal Antibodies. <i>Analytical Letters</i> , 2010, 43, 2913-2922.	1.8	9
35	Reflectance-based detection of oxidizers in ambient air. <i>Sensors and Actuators B: Chemical</i> , 2016, 227, 399-402.	7.8	9
36	NIR-FT-SERS of 4-trimethylsilylethylsulfanyl-4-di(phenyleneethynylene)benzenethiol on Au nanospheres. <i>Surface Science</i> , 2008, 602, 1614-1621.	1.9	8

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37	Molecular sensing: modulating molecular conduction through intermolecular interactions. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 8318.	2.8	8
38	Surface plasmon resonance promotion of homogeneous catalysis using a gold nanoparticle platform. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	8
39	Synthesis and structural characterization of a novel osmium(III) compound: Os ₂ (ap) ₄ Cl ₂ . <i>Inorganica Chimica Acta</i> , 2004, 357, 1313-1316.	2.4	6
40	Electronic effects on the reactivity of copper mono-bipyridine complexes. <i>Inorganica Chimica Acta</i> , 2012, 388, 168-174.	2.4	6
41	Square Wave Voltammetry of TNT at Gold Electrodes Modified with Self-Assembled Monolayers Containing Aromatic Structures. <i>PLoS ONE</i> , 2014, 9, e115966.	2.5	5
42	Improving Sorbents for Glycerol Capture in Biodiesel Refinement. <i>Materials</i> , 2017, 10, 682.	2.9	5
43	Covalently attached liquids as protective coatings. <i>Polymer International</i> , 2021, 70, 701-709.	3.1	5
44	Photo-enhanced hydrolysis of bis(4-nitrophenyl) phosphate using Cu(<i>bipy</i>) bipyridine-capped plasmonic nanoparticles. <i>RSC Advances</i> , 2016, 6, 41618-41621.	3.6	4
45	Reflectance-based detection for long term environmental monitoring. <i>Heliyon</i> , 2017, 3, e00312.	3.2	4
46	Packaging of Diisopropyl Fluorophosphatase (DFPase) in Bacterial Outer Membrane Vesicles Protects Its Activity at Extreme Temperature. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 493-501.	5.2	4
47	Conducting polymer "nanogates" Controllable diffusivities in thin films of novel tether-containing sulfonated polythiophenes. <i>Electrochemistry Communications</i> , 2009, 11, 169-173.	4.7	3
48	Extraction of Perchlorate Using Porous Organosilicate Materials. <i>Materials</i> , 2013, 6, 1403-1419.	2.9	2
49	Deposition of Porous Sorbents on Fabric Supports. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	1
50	Nanoparticle-Surface Interactions in Geometrical Separation Devices. <i>Chromatography (Basel)</i> , 2015, 2, 567-579.	1.2	0