

# Mark D Ellison

## List of Publications by Year in descending order

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28  
papers

1,296  
citations

623734

14  
h-index

610901

24  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1517  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Primarily Undergraduate Nanomaterials Cooperative: A New Model for Supporting Collaborative Research at Small Institutions on a National Scale. <i>ACS Nanoscience Au</i> , 2021, 1, 6-14.	4.8	0
2	Functionalized Single-Walled Carbon Nanotubes and Nanographene Oxide to Overcome Antibiotic Resistance in Tetracycline-Resistant <i>Escherichia coli</i> . <i>ACS Applied Nano Materials</i> , 2020, 3, 3910-3921.	5.0	16
3	Electrokinetic Transport of Methanol and Lithium Ions Through a 2.25-nm-Diameter Carbon Nanotube Nanopore. <i>Journal of Physical Chemistry C</i> , 2017, 121, 2005-2013.	3.1	15
4	Transport of Amino Acid Cations through a 2.25-nm-Diameter Carbon Nanotube Nanopore: Electrokinetic Motion and Trapping/Desorption. <i>Journal of Physical Chemistry C</i> , 2017, 121, 27709-27720.	3.1	6
5	Reaction of folic acid with single-walled carbon nanotubes. <i>Surface Science</i> , 2016, 652, 300-303.	1.9	9
6	Walsh Diagrams: Molecular Orbital and Structure Computational Chemistry Exercise for Physical Chemistry. <i>Journal of Chemical Education</i> , 2015, 92, 1040-1043.	2.3	11
7	Synthesis and toxicity testing of cysteine-functionalized single-walled carbon nanotubes with <i>Caenorhabditis elegans</i> . <i>RSC Advances</i> , 2014, 4, 5893.	3.6	30
8	Diameter-dependent ion transport through the interior of isolated single-walled carbon nanotubes. <i>Nature Communications</i> , 2013, 4, 2397.	12.8	131
9	Stochastic Pore Blocking and Gating in PDMS-Glass Nanopores from Vapor-Liquid Phase Transitions. <i>Journal of Physical Chemistry C</i> , 2013, 117, 9641-9651.	3.1	15
10	Response to Incorrect Mathematical Operators in a Two-Dimensional Quantum Problem. <i>Journal of Chemical Education</i> , 2009, 86, 1371.	2.3	1
11	Photochemical Hydroboration-Oxidation of Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2009, 113, 18536-18541.	3.1	6
12	The Particle Inside a Ring: A Two-Dimensional Quantum Problem Visualized by Scanning Tunneling Microscopy. <i>Journal of Chemical Education</i> , 2008, 85, 1282.	2.3	8
13	Functionalization of Single-Walled Carbon Nanotubes with 1,4-Benzenediamine Using a Diazonium Reaction. <i>Journal of Physical Chemistry C</i> , 2008, 112, 738-740.	3.1	73
14	Advances in Teaching Physical Chemistry: Overview. <i>ACS Symposium Series</i> , 2007, , 1-7.	0.5	0
15	Infrared and Computational Studies of the Adsorption of Methanol and Ethanol on Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2007, 111, 18127-18134.	3.1	26
16	Construction of the Electronic Angular Wave Functions and Probability Distributions of the Hydrogen Atom. <i>Journal of Chemical Education</i> , 2007, 84, 1886.	2.3	0
17	Interaction of Water with Single-Walled Carbon Nanotubes: A Reaction and Adsorption. <i>Journal of Physical Chemistry B</i> , 2005, 109, 10640-10646.	2.6	56
18	Adsorption of NH <sub>3</sub> and NO <sub>2</sub> on Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 2004, 108, 7938-7943.	2.6	118

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19	Potential Barriers and Tunneling. <i>Journal of Chemical Education</i> , 2004, 81, 608.	2.3	0
20	sp <sup>3</sup> dn-Orbital Hybrids and Molecular Geometry. <i>Journal of Chemical Education</i> , 2004, 81, 1534.	2.3	1
21	Symbolic Mathematics Engines in Teaching Chemistry. A Symposium Report. <i>Journal of Chemical Education</i> , 2004, 81, 1817.	2.3	0
22	Orbital Graphing. <i>Journal of Chemical Education</i> , 2004, 81, 158.	2.3	1
23	Bonding of Nitrogen-Containing Organic Molecules to the Silicon(001) Surface: The Role of Aromaticity. <i>Journal of Physical Chemistry B</i> , 2001, 105, 3759-3768.	2.6	123
24	Cycloaddition Chemistry of Organic Molecules with Semiconductor Surfaces. <i>Accounts of Chemical Research</i> , 2000, 33, 617-624.	15.6	408
25	Reactions of substituted aromatic hydrocarbons with the Si(001) surface. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2000, 18, 1965-1970.	2.1	57
26	Interaction of $\pi$ -Conjugated Organic Molecules with $\pi$ -Bonded Semiconductor Surfaces: Structure, Selectivity, and Mechanistic Implications. <i>Journal of the American Chemical Society</i> , 2000, 122, 8529-8538.	13.7	88
27	Adsorption of Phenyl Isothiocyanate on Si(001): A 1,2-Dipolar Surface Addition Reaction. <i>Journal of Physical Chemistry B</i> , 1999, 103, 6243-6251.	2.6	66
28	Cycloaddition Chemistry on Silicon(001) Surfaces: The Adsorption of Azo-tert-butane. <i>Journal of Physical Chemistry B</i> , 1998, 102, 8510-8518.	2.6	30