

Edmund Leary

List of Publications by Year in descending order

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38
papers

1,837
citations

279798

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330143

37
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times ranked

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#	ARTICLE	IF	CITATIONS
1	Single-Molecule Conductance of 1,4-Azaborine Derivatives as Models of BN-Doped PAHs. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6609-6616.	13.8	20
2	Single-molecule conductance of dibenzopentalenes: antiaromaticity and quantum interference. <i>Chemical Communications</i> , 2021, 57, 745-748.	4.1	32
3	Long-lived charged states of single porphyrin-tape junctions under ambient conditions. <i>Nanoscale Horizons</i> , 2021, 6, 49-58.	8.0	8
4	Single-Molecule Conductance of 1,4-Azaborine Derivatives as Models of BN-Doped PAHs. <i>Angewandte Chemie</i> , 2021, 133, 6683-6690.	2.0	2
5	Interference Controls Conductance in Phthalocyanine Molecular Junctions. <i>Journal of Physical Chemistry C</i> , 2021, 125, 15035-15043.	3.1	7
6	Three-state molecular potentiometer based on a non-symmetrically positioned in-backbone linker. <i>Journal of Materials Chemistry C</i> , 2021, 9, 16282-16289.	5.5	6
7	A Peierls Transition in Long Polymethine Molecular Wires: Evolution of Molecular Geometry and Single-Molecule Conductance. <i>Journal of the American Chemical Society</i> , 2021, 143, 20472-20481.	13.7	19
8	Taming quantum interference in single molecule junctions: induction and resonance are key. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 5638-5646.	2.8	17
9	Cross-conjugation increases the conductance of <i>meta</i> -connected fluorenones. <i>Nanoscale</i> , 2019, 11, 13720-13724.	5.6	25
10	Effect of Charge-Assisted Hydrogen Bonds on Single-Molecule Electron Transport. <i>Journal of Physical Chemistry C</i> , 2019, 123, 29386-29393.	3.1	11
11	Unusual Length Dependence of the Conductance in Cumulene Molecular Wires. <i>Angewandte Chemie</i> , 2019, 131, 8466-8470.	2.0	11
12	Unusual Length Dependence of the Conductance in Cumulene Molecular Wires. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8378-8382.	13.8	39
13	The Role of Oligomeric Gold-Thiolate Units in Single-Molecule Junctions of Thiol-Anchored Molecules. <i>Journal of Physical Chemistry C</i> , 2018, 122, 3211-3218.	3.1	41
14	Detecting Mechanochemical Atropisomerization within an STM Break Junction. <i>Journal of the American Chemical Society</i> , 2018, 140, 710-718.	13.7	38
15	Bias-Driven Conductance Increase with Length in Porphyrin Tapes. <i>Journal of the American Chemical Society</i> , 2018, 140, 12877-12883.	13.7	84
16	Single-molecule conductance of a chemically modified, π -extended tetrathiafulvalene and its charge-transfer complex with F_{4-TCNQ} . <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 1068-1078.	2.2	29
17	Electrochemical Single-Molecule Transistors with Optimized Gate Coupling. <i>Journal of the American Chemical Society</i> , 2015, 137, 14319-14328.	13.7	94
18	Toward Multiple Conductance Pathways with Heterocycle-Based Oligo(phenyleneethynylene) Derivatives. <i>Journal of the American Chemical Society</i> , 2015, 137, 13818-13826.	13.7	64

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19	Incorporating single molecules into electrical circuits. The role of the chemical anchoring group. <i>Chemical Society Reviews</i> , 2015, 44, 920-942.	38.1	154
20	Does a Cyclopropane Ring Enhance the Electronic Communication in Dumbbell-Type C ₆₀ Dimers?. <i>Journal of Organic Chemistry</i> , 2014, 79, 4871-4877.	3.2	10
21	A Comprehensive Study of Extended Tetrathiafulvalene Cruciform Molecules for Molecular Electronics: Synthesis and Electrical Transport Measurements. <i>Journal of the American Chemical Society</i> , 2014, 136, 16497-16507.	13.7	55
22	Structural versus Electrical Functionalization of Oligo(phenylene ethynylene) Diamine Molecular Junctions. <i>Journal of Physical Chemistry C</i> , 2014, 118, 21655-21662.	3.1	42
23	A Molecular Platinum Cluster Junction: A Single-Molecule Switch. <i>Journal of the American Chemical Society</i> , 2013, 135, 2052-2055.	13.7	29
24	Stability of Single- and Few-Molecule Junctions of Conjugated Diamines. <i>Journal of the American Chemical Society</i> , 2013, 135, 5420-5426.	13.7	26
25	Engineering the Thermopower of C ₆₀ Molecular Junctions. <i>Nano Letters</i> , 2013, 13, 2141-2145.	9.1	156
26	A Detailed Experimental and Theoretical Study into the Properties of C ₆₀ Dumbbell Junctions. <i>Small</i> , 2013, 9, 3812-3822.	10.0	11
27	Single-Molecule Electrochemical Gating in Ionic Liquids. <i>Journal of the American Chemical Society</i> , 2012, 134, 16817-16826.	13.7	118
28	Single-molecule conductance determinations on HS(CH ₂) ₄ O(CH ₂) ₄ SH and HS(CH ₂) ₂ O(CH ₂) ₂ O(CH ₂) ₂ SH, and comparison with alkanedithiols of the same length. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 164211.	1.8	9
29	Influence of Binding Groups on Molecular Junction Formation. <i>Journal of the American Chemical Society</i> , 2011, 133, 14313-14319.	13.7	80
30	Break-Junction Experiments on Acetyl-Protected Conjugated Dithiols under Different Environmental Conditions. <i>Journal of Physical Chemistry C</i> , 2011, 115, 17973-17978.	3.1	62
31	Unambiguous <i>One</i> -Molecule Conductance Measurements under Ambient Conditions. <i>Nano Letters</i> , 2011, 11, 2236-2241.	9.1	81
32	The experimental determination of the conductance of single molecules. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 2801.	2.8	153
33	Environmental Effects on the Single Molecule Conductance of bis(thiahexyl)oligothiophenes. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1154, 1.	0.1	0
34	Impact of Junction Formation Method and Surface Roughness on Single Molecule Conductance. <i>Journal of Physical Chemistry C</i> , 2009, 113, 5823-5833.	3.1	139
35	A molecular wire incorporating a robust hexanuclear platinum cluster. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 5198.	2.8	24
36	Structure-Property Relationships in Redox-Gated Single Molecule Junctions - A Comparison of Pyrrolo-Tetrathiafulvalene and Viologen Redox Groups. <i>Journal of the American Chemical Society</i> , 2008, 130, 12204-12205.	13.7	108

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37	Chemical control of double barrier tunnelling in β -dithiaalkane molecular wires. <i>Chemical Communications</i> , 2007, , 3939.	4.1	30
38	Versatile coordination behaviour of $\text{Ph}_2\text{AsCH}_2\text{AsPh}_2$ with Ru(II). <i>Inorganica Chimica Acta</i> , 2004, 357, 4488-4495.	2.4	3