

David Zsolt Manrique

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

1,882
citations

394421

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610901

24
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24
docs citations

24
times ranked

1622
citing authors

#	ARTICLE	IF	CITATIONS
1	Single Molecular Conductance of Tolanes: Experimental and Theoretical Study on the Junction Evolution Dependent on the Anchoring Group. <i>Journal of the American Chemical Society</i> , 2012, 134, 2292-2304.	13.7	381
2	Single-Molecule Conductance of Functionalized Oligoynes: Length Dependence and Junction Evolution. <i>Journal of the American Chemical Society</i> , 2013, 135, 12228-12240.	13.7	277
3	GOLLUM: a next-generation simulation tool for electron, thermal and spin transport. <i>New Journal of Physics</i> , 2014, 16, 093029.	2.9	269
4	A quantum circuit rule for interference effects in single-molecule electrical junctions. <i>Nature Communications</i> , 2015, 6, 6389.	12.8	164
5	An MCBJ case study: The influence of π -conjugation on the single-molecule conductance at a solid/liquid interface. <i>Beilstein Journal of Nanotechnology</i> , 2011, 2, 699-713.	2.8	157
6	Solvent Dependence of the Single Molecule Conductance of Oligoynes-Based Molecular Wires. <i>Journal of Physical Chemistry C</i> , 2016, 120, 15666-15674.	3.1	67
7	Radical-Enhanced Charge Transport in Single-Molecule Phenothiazine Electrical Junctions. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13061-13065.	13.8	66
8	Highly-effective gating of single-molecule junctions: an electrochemical approach. <i>Chemical Communications</i> , 2014, 50, 15975-15978.	4.1	53
9	Three-State Single-Molecule Naphthalenediimide Switch: Integration of a Pendant Redox Unit for Conductance Tuning. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13586-13589.	13.8	49
10	Correlation of breaking forces, conductances and geometries of molecular junctions. <i>Scientific Reports</i> , 2015, 5, 9002.	3.3	48
11	Graphene Sculpture Nanopores for DNA Nucleobase Sensing. <i>Journal of Physical Chemistry B</i> , 2014, 118, 6908-6914.	2.6	43
12	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
13	A New Approach to Materials Discovery for Electronic and Thermoelectric Properties of Single-Molecule Junctions. <i>Nano Letters</i> , 2016, 16, 1308-1316.	9.1	41
14	Adverse effects of asymmetric contacts on single molecule conductances of $\text{HS}(\text{CH}_2)_n\text{COOH}$ in nanoelectrical junctions. <i>Nanotechnology</i> , 2009, 20, 125203.	2.6	37
15	Quantum interference in single molecule electronic systems. <i>Physical Review B</i> , 2011, 83, .	3.2	37
16	Redox control of thermopower and figure of merit in phase-coherent molecular wires. <i>Nanotechnology</i> , 2014, 25, 205402.	2.6	30
17	Anisotropic magnetoresistance in atomic chains of iridium and platinum from first principles. <i>Physical Review B</i> , 2009, 79, .	3.2	22
18	Interplay between quantum interference and conformational fluctuations in single-molecule break junctions. <i>Nanoscale</i> , 2015, 7, 1096-1101.	5.6	21

#	ARTICLE	IF	CITATIONS
19	Advanced Simulation of Conductance Histograms Validated through Channel-Sensitive Experiments on Indium Nanojunctions. <i>Physical Review Letters</i> , 2011, 107, 276801.	7.8	20
20	Radical-Enhanced Charge Transport in Single-Molecule Phenothiazine Electrical Junctions. <i>Angewandte Chemie</i> , 2017, 129, 13241-13245.	2.0	18
21	Chiral currents in gold nanotubes. <i>Physical Review B</i> , 2010, 81, .	3.2	15
22	Tuning the Seebeck coefficient of naphthalenediimide by electrochemical gating and doping. <i>Nanoscale</i> , 2017, 9, 4819-4825.	5.6	15
23	Quantum Plasmon Engineering with Interacting Graphene Nanoflakes. <i>Journal of Physical Chemistry C</i> , 2017, 121, 27597-27602.	3.1	6
24	Thermoelectric performance of various benzo-difuran wires. <i>Journal of Chemical Physics</i> , 2014, 140, 174711.	3.0	4