

Linda A Zotti

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

1,719
citations

331538

21
h-index

276775

41
g-index

45
all docs

45
docs citations

45
times ranked

1991
citing authors

#	ARTICLE	IF	CITATIONS
1	Constrained DFT for Molecular Junctions. <i>Nanomaterials</i> , 2022, 12, 1234.	1.9	1
2	Adhesion of thin metallic layers on Au surfaces. <i>Journal of Physics Condensed Matter</i> , 2022, , .	0.7	0
3	Single-molecule conductance of dibenzopentalenes: antiaromaticity and quantum interference. <i>Chemical Communications</i> , 2021, 57, 745-748.	2.2	32
4	The Role of Metal Ions in the Electron Transport through Azurin-Based Junctions. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3732.	1.3	6
5	Molecular Electronics. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4828.	1.3	2
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.	2.7	6
7	Can Electron Transport through a Blue-Copper Azurin Be Coherent? An Ab Initio Study. <i>Journal of Physical Chemistry C</i> , 2021, 125, 1693-1702.	1.5	25
8	Rational design of an unusual 2D-MOF based on Cu(μ_2 -4-hydroxypyrimidine-5-carbonitrile) and 4-hydroxypyrimidine-5-carbonitrile as linker with conductive capabilities: a theoretical approach based on high-pressure XRD. <i>Chemical Communications</i> , 2020, 56, 9473-9476.	2.2	6
9	Backbone charge transport in double-stranded DNA. <i>Nature Nanotechnology</i> , 2020, 15, 836-840.	15.6	46
10	Taming quantum interference in single molecule junctions: induction and resonance are key. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 5638-5646.	1.3	17
11	Innenrücktitelbild: A Solid-State Protein Junction Serves as a Bias-Induced Current Switch (Angew.) Tj ETQq1 1.0.784314 rgBT / Ov	1.6	1
12	A Solid-State Protein Junction Serves as a Bias-Induced Current Switch. <i>Angewandte Chemie</i> , 2019, 131, 11978-11985.	1.6	1
13	Tuning Structure and Dynamics of Blue Copper Azurin Junctions via Single Amino-Acid Mutations. <i>Biomolecules</i> , 2019, 9, 611.	1.8	16
14	Can One Define the Conductance of Amino Acids?. <i>Biomolecules</i> , 2019, 9, 580.	1.8	29
15	Mechanical Deformation and Electronic Structure of a Blue Copper Azurin in a Solid-State Junction. <i>Biomolecules</i> , 2019, 9, 506.	1.8	16
16	A Solid-State Protein Junction Serves as a Bias-Induced Current Switch. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11852-11859.	7.2	26
17	Doping hepta-alanine with tryptophan: A theoretical study of its effect on the electrical conductance of peptide-based single-molecule junctions. <i>Journal of Chemical Physics</i> , 2019, 150, 174705.	1.2	10
18	Electron Transport Through Homopeptides: Are They Really Good Conductors?. <i>ACS Omega</i> , 2018, 3, 3778-3785.	1.6	26

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19	A simple descriptor for energetics at fcc-bcc metal interfaces. <i>Materials and Design</i> , 2018, 142, 158-165.	3.3	15
20	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.	1.5	41
21	Peltier cooling in molecular junctions. <i>Nature Nanotechnology</i> , 2018, 13, 122-127.	15.6	120
22	<i>Ab initio</i> electronic structure calculations of entire blue copper azurins. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 30392-30402.	1.3	19
23	Platinum atomic contacts: From tunneling to contact. <i>Physical Review B</i> , 2017, 95, .	1.1	8
24	Bioengineering a Single-Protein Junction. <i>Journal of the American Chemical Society</i> , 2017, 139, 15337-15346.	6.6	84
25	Resonant transport and electrostatic effects in single-molecule electrical junctions. <i>Physical Review B</i> , 2015, 91, .	1.1	28
26	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.	1.3	29
27	Toward Multiple Conductance Pathways with Heterocycle-Based Oligo(phenyleneethynylene) Derivatives. <i>Journal of the American Chemical Society</i> , 2015, 137, 13818-13826.	6.6	64
28	Heat dissipation and its relation to thermopower in single-molecule junctions. <i>New Journal of Physics</i> , 2014, 16, 015004.	1.2	88
29	A Molecular Platinum Cluster Junction: A Single-Molecule Switch. <i>Journal of the American Chemical Society</i> , 2013, 135, 2052-2055.	6.6	29
30	Heat dissipation in atomic-scale junctions. <i>Nature</i> , 2013, 498, 209-212.	13.7	219
31	<i>Ab initio</i> study of the thermopower of biphenyl-based single-molecule junctions. <i>Physical Review B</i> , 2012, 86, .	1.1	43
32	Carbon-fiber tips for scanning probe microscopes and molecular electronics experiments. <i>Nanoscale Research Letters</i> , 2012, 7, 254.	3.1	4
33	Theoretical study of the charge transport through C_{60} -based single-molecule junctions. <i>Physical Review B</i> , 2012, 85, .	1.1	51
34	Single-Molecule Junctions Based on Nitrile-Terminated Biphenyls: A Promising New Anchoring Group. <i>Journal of the American Chemical Society</i> , 2011, 133, 184-187.	6.6	212
35	Carbon tips as electrodes for single-molecule junctions. <i>Applied Physics Letters</i> , 2011, 99, 123105.	1.5	8
36	Electronic transport through single noble gas atoms. <i>Physical Review B</i> , 2011, 84, .	1.1	2

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37	Revealing the Role of Anchoring Groups in the Electrical Conduction Through Single-Molecule Junctions. <i>Small</i> , 2010, 6, 1529-1535.	5.2	200
38	Comment on "Chemical versus van der Waals Interaction: The Role of the Heteroatom in the Flat Absorption of Aromatic Molecules C ₆ H ₆ , C ₅ NH ₅ , and C ₄ N ₂ H ₄ on the Cu(110) Surface". <i>Physical Review Letters</i> , 2010, 104, 099703; author reply 099704.	2.9	7
39	Adsorption of benzene, fluorobenzene and meta-difluorobenzene on Cu(110): A computational study. <i>Journal of Computational Chemistry</i> , 2008, 29, 1589-1595.	1.5	17
40	Dipole-directed assembly of lines of 1,5-dichloropentane on silicon substrates by displacement of surface charge. <i>Nature Nanotechnology</i> , 2008, 3, 222-228.	15.6	57
41	Self-assembly of semifluorinated n-alkanethiols on {111}-oriented Au investigated with scanning tunneling microscopy experiment and theory. <i>Journal of Chemical Physics</i> , 2007, 127, 024702.	1.2	11
42	Ab-initio calculations and STM observations on tetrapyrridyl and Fe(II)-tetrapyrridyl-porphyrin molecules on Ag(111). <i>Surface Science</i> , 2007, 601, 2409-2414.	0.8	46
43	Electron scattering in scanning probe microscopy experiments. <i>Chemical Physics Letters</i> , 2006, 420, 177-182.	1.2	23
44	Poly(phenyleneethynylene) polymers bearing glucose substituents as promising active layers in enantioselective chemiresistors. <i>Sensors and Actuators B: Chemical</i> , 2004, 100, 17-21.	4.0	29