

# Diana Dulic

## List of Publications by Year in descending order

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33  
papers

1,721  
citations

430874

18  
h-index

377865

34  
g-index

35  
all docs

35  
docs citations

35  
times ranked

2075  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical conductance tunability of a porphyrin-cyclophane single-molecule junction. <i>Nanoscale</i> , 2022, 14, 984-992.	5.6	10
2	Mechanical compression in cofacial porphyrin cyclophane pincers. <i>Chemical Science</i> , 2022, 13, 8017-8024.	7.4	7
3	Porphyrins as building blocks for single-molecule devices. <i>Nanoscale</i> , 2021, 13, 15500-15525.	5.6	22
4	Mechanical Fixation by Porphyrin Connection: Synthesis and Transport Studies of a Bicyclic Dimer. <i>Journal of Organic Chemistry</i> , 2020, 85, 118-128.	3.2	6
5	Single-Molecule Transport of Fullerene-Based Curcuminoids. <i>Journal of Physical Chemistry C</i> , 2020, 124, 2698-2704.	3.1	6
6	Synthesis and Transport Studies of a Cofacial Porphyrin Cyclophane. <i>Journal of Organic Chemistry</i> , 2020, 85, 15072-15081.	3.2	5
7	Trapping and electrical characterization of single core/shell iron-based nanoparticles in self-aligned nanogaps. <i>Applied Physics Letters</i> , 2019, 115, 063104.	3.3	3
8	Unravelling the conductance path through single-porphyrin junctions. <i>Chemical Science</i> , 2019, 10, 8299-8305.	7.4	30
9	Mechanical Tuning of Through-Molecule Conductance in a Conjugated Calix[4]pyrrole. <i>ChemistrySelect</i> , 2018, 3, 6473-6478.	1.5	18
10	Electric-field induced bistability in single-molecule conductance measurements for boron coordinated curcuminoid compounds. <i>Chemical Science</i> , 2018, 9, 6988-6996.	7.4	16
11	Charge Transport through a Single Molecule of trans-1-bis-Diazofluorene [60]fullerene. <i>Chemistry of Materials</i> , 2017, 29, 7305-7312.	6.7	3
12	Multiscale Approach to the Study of the Electronic Properties of Two Thiophene Curcuminoid Molecules. <i>Chemistry - A European Journal</i> , 2016, 22, 12808-12818.	3.3	18
13	Image effects in transport at metal-molecule interfaces. <i>Journal of Chemical Physics</i> , 2015, 143, 174106.	3.0	15
14	Large negative differential conductance in single-molecule break junctions. <i>Nature Nanotechnology</i> , 2014, 9, 830-834.	31.5	170
15	Large tunable image-charge effects in single-molecule junctions. <i>Nature Nanotechnology</i> , 2013, 8, 282-287.	31.5	258
16	Current-induced nanogap formation and graphitization in boron-doped diamond films. <i>Applied Physics Letters</i> , 2012, 101, 193106.	3.3	4
17	Charge transport in a zinc-porphyrin single-molecule junction. <i>Beilstein Journal of Nanotechnology</i> , 2011, 2, 714-719.	2.8	31
18	Influence of the Chemical Structure on the Stability and Conductance of Porphyrin Single-Molecule Junctions. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11223-11226.	13.8	56

#	ARTICLE	IF	CITATIONS
19	Controlled Stability of Molecular Junctions. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8273-8276.	13.8	29
20	Direct conductance measurements of short single DNA molecules in dry conditions. <i>Nanotechnology</i> , 2009, 20, 115502.	2.6	44
21	Temperature Gating of the Ring-Opening Process in Diarylethene Molecular Switches. <i>Advanced Materials</i> , 2007, 19, 2898-2902.	21.0	102
22	Mechanics of lithographically defined break junctions. <i>Physical Review B</i> , 2005, 71, .	3.2	61
23	Molecular Switches Get Wired: Synthesis of Diarylethenes Containing One or Two Sulphurs. <i>Molecular Crystals and Liquid Crystals</i> , 2005, 430, 205-210.	0.9	18
24	One-Way Optoelectronic Switching of Photochromic Molecules on Gold. <i>Physical Review Letters</i> , 2003, 91, 207402.	7.8	522
25	Effects of Vortex Pinning and Thermal Fluctuations on the Josephson Plasma Resonance in $Tl_2Ba_2CaCu_2O_8$ and $YBa_2Cu_3O_{6.5}$ . <i>Physical Review Letters</i> , 2001, 86, 4660-4663.	7.8	22
26	Magnetic Field Dependence of the Transverse Plasmon in $SmLa_{0.8}Sr_{0.2}CuO_4$ . <i>Physical Review Letters</i> , 2001, 87, 177003.	7.8	10
27	Observation of the Transverse Optical Plasmon in $SmLa_{0.8}Sr_{0.2}CuO_4$ . <i>Physical Review Letters</i> , 2001, 86, 4144-4147.	7.8	45
28	c-axis optical properties of high $T_c$ cuprates. <i>Physica C: Superconductivity and Its Applications</i> , 2000, 341-348, 1531-1534.	1.2	8
29	Systematics of c-axis phonons in the thallium- and bismuth-based cuprate superconductors. <i>Physical Review B</i> , 1999, 60, 13196-13205.	3.2	32
30	c-axis penetration depth and interlayer conductivity in the thallium-based cuprate superconductors. <i>Physical Review B</i> , 1999, 60, R15051-R15054.	3.2	16
31	Plasmon DOS in layered systems: two layers per unit cell. <i>Physica C: Superconductivity and Its Applications</i> , 1999, 317-318, 554-557.	1.2	3
32	Global and local measures of the intrinsic Josephson coupling in $Tl_2Ba_2CuO_6$ as a test of the interlayer tunnelling model. <i>Nature</i> , 1998, 395, 360-362.	27.8	104
33	Interlayer tunneling mechanism: experimental test of single-layer compounds. , 1998, , .		2