

Albert C Aragon's

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3271588/publications.pdf>

Version: 2024-02-01

31
papers

1,736
citations

471371

17
h-index

552653

26
g-index

33
all docs

33
docs citations

33
times ranked

2268
citing authors

#	ARTICLE	IF	CITATIONS
1	Electric fields as actuators in unimolecular contacts. <i>Current Opinion in Electrochemistry</i> , 2022, 35, 101032.	2.5	1
2	Electrochemical gating enhances nearfield trapping of single metalloprotein junctions. <i>Journal of Materials Chemistry C</i> , 2021, 9, 11698-11706.	2.7	6
3	Nearfield trapping increases lifetime of single-molecule junction by one order of magnitude. <i>Cell Reports Physical Science</i> , 2021, 2, 100389.	2.8	6
4	Tuning Single-Molecule Conductance by Controlled Electric Field-Induced trans-to-cis Isomerisation. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3317.	1.3	11
5	Charge transport at the protein-electrode interface in the emerging field of BioMolecular Electronics. <i>Current Opinion in Electrochemistry</i> , 2021, 28, 100734.	2.5	29
6	Exploiting the plasmonic trapping in single-molecule junctions. , 2021, , .		0
7	Room-Temperature Spin-Dependent Transport in Metalloporphyrin-Based Supramolecular Wires. <i>Angewandte Chemie</i> , 2021, 133, 26162-26169.	1.6	5
8	Room-Temperature Spin-Dependent Transport in Metalloporphyrin-Based Supramolecular Wires. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25958-25965.	7.2	9
9	(Invited) Chemistry in a Nanoscale Gap. <i>ECS Meeting Abstracts</i> , 2021, MA2021-02, 1640-1640.	0.0	0
10	Tuning Single-Molecule Conductance in Metalloporphyrin-Based Wires via Supramolecular Interactions. <i>Angewandte Chemie</i> , 2020, 132, 19355-19363.	1.6	5
11	Tuning Single-Molecule Conductance in Metalloporphyrin-Based Wires via Supramolecular Interactions. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19193-19201.	7.2	19
12	Metal-Single-Molecule-Semiconductor Junctions Formed by a Radical Reaction Bridging Gold and Silicon Electrodes. <i>Journal of the American Chemical Society</i> , 2019, 141, 14788-14797.	6.6	62
13	Chemically and Mechanically Controlled Single-Molecule Switches Using Spiropyrans. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 36886-36894.	4.0	69
14	Control over Near-Ballistic Electron Transport through Formation of Parallel Pathways in a Single-Molecule Wire. <i>Journal of the American Chemical Society</i> , 2019, 141, 240-250.	6.6	39
15	Role of Ring Ortho Substituents on the Configuration of Carotenoid Polyene Chains. <i>Organic Letters</i> , 2018, 20, 493-496.	2.4	5
16	Mechanical Tuning of Through-Molecule Conductance in a Conjugated Calix[4]pyrrole. <i>ChemistrySelect</i> , 2018, 3, 6473-6478.	0.7	18
17	Metal-Controlled Magnetoresistance at Room Temperature in Single-Molecule Devices. <i>Journal of the American Chemical Society</i> , 2017, 139, 5768-5778.	6.6	41
18	Single-molecule electrical contacts on silicon electrodes under ambient conditions. <i>Nature Communications</i> , 2017, 8, 15056.	5.8	93

#	ARTICLE	IF	CITATIONS
19	Bioengineering a Single-Protein Junction. <i>Journal of the American Chemical Society</i> , 2017, 139, 15337-15346.	6.6	84
20	Measuring the Spin-Polarization Power of a Single Chiral Molecule. <i>Small</i> , 2017, 13, 1602519.	5.2	143
21	Electrostatic catalysis of a Diels-Alder reaction. <i>Nature</i> , 2016, 531, 88-91.	13.7	596
22	Tuning the electrical conductance of metalloporphyrin supramolecular wires. <i>Scientific Reports</i> , 2016, 6, 37352.	1.6	27
23	Large Conductance Switching in a Single-Molecule Device through Room Temperature Spin-Dependent Transport. <i>Nano Letters</i> , 2016, 16, 218-226.	4.5	148
24	Building Nanoscale Molecular Wires Exploiting Electrocatalytic Interactions. <i>Electrochimica Acta</i> , 2015, 179, 611-617.	2.6	19
25	Fine-Tuning of Single-Molecule Conductance by Tweaking Both Electronic Structure and Conformation of Side Substituents. <i>Chemistry - A European Journal</i> , 2015, 21, 7716-7720.	1.7	33
26	The spontaneous formation of single-molecule junctions via terminal alkynes. <i>Nanotechnology</i> , 2015, 26, 381001.	1.3	35
27	Multi-Responsive Photo- and Chemo-Electrical Single-Molecule Switches. <i>Nano Letters</i> , 2014, 14, 7064-7070.	4.5	134
28	Highly Conductive Single-Molecule Wires with Controlled Orientation by Coordination of Metalloporphyrins. <i>Nano Letters</i> , 2014, 14, 4751-4756.	4.5	48
29	Study and improvement of aluminium doped ZnO thin films: Limits and advantages. <i>Electrochimica Acta</i> , 2013, 109, 117-124.	2.6	51
30	Detection of Single-Molecule Reaction Using STM Approach. <i>Protocol Exchange</i> , 0, , .	0.3	0
31	Nearfield Trapping Increases Lifetime of Single-Molecule Junction by One Order of Magnitude. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0