Zuoti Xie

List of Publications by Year
in descending order

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29	1,223	430754	477173
papers	citations	18 h-index	29 g-index

30	30	30	1406
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Spin Specific Electron Conduction through DNA Oligomers. Nano Letters, 2011, 11, 4652-4655.	4.5	323
2	Experimental and Theoretical Analysis of Nanotransport in Oligophenylene Dithiol Junctions as a Function of Molecular Length and Contact Work Function. ACS Nano, 2015, 9, 8022-8036.	7.3	152
3	Determination of Energy-Level Alignment in Molecular Tunnel Junctions by Transport and Spectroscopy: Self-Consistency for the Case of Oligophenylene Thiols and Dithiols on Ag, Au, and Pt Electrodes. Journal of the American Chemical Society, 2019, 141, 3670-3681.	6.6	90
4	Energy Level Alignment in Molecular Tunnel Junctions by Transport and Spectroscopy: Self-Consistency for the Case of Alkyl Thiols and Dithiols on Ag, Au, and Pt Electrodes. Journal of the American Chemical Society, 2019, 141, 18182-18192.	6.6	68
5	Uncovering a law of corresponding states for electron tunneling in molecular junctions. Nanoscale, 2015, 7, 10465-10471.	2.8	60
6	Effect of Heteroatom Substitution on Transport in Alkanedithiol-Based Molecular Tunnel Junctions: Evidence for Universal Behavior. ACS Nano, 2017, 11, 569-578.	7.3	54
7	Why one can expect large rectification in molecular junctions based on alkane monothiols and why rectification is so modest. Chemical Science, 2018, 9, 4456-4467.	3.7	49
8	Work function and temperature dependence of electron tunneling through an N-type perylene diimide molecular junction with isocyanide surface linkers. Nanoscale, 2018, 10, 964-975.	2.8	49
9	Gate-Tuned Insulatorâ€“Metal Transition in Electrolyte-Gated Transistors Based on Tellurene. Nano Letters, 2019, 19, 4738-4744.	4.5	48
10	Exceptionally Small Statistical Variations in the Transport Properties of Metalâ€“Moleculeâ€“Metal Junctions Composed of 80 Oligophenylene Dithiol Molecules. Journal of the American Chemical Society, 2017, 139, 5696-5699.	6.6	45
11	HOMO Level Pinning in Molecular Junctions: Joint Theoretical and Experimental Evidence. Journal of Physical Chemistry Letters, 2018, 9, 2394-2403.	2.1	45
12	Determination of the Electronic Energetics of CdTe Nanoparticle Assemblies on Au Electrodes by Photoemission, Electrochemical, and Photocurrent Studies. Journal of Physical Chemistry C, 2012, 116, 17464-17472.	1.5	27
13	Mechanism of charge generation in p-type doped layer in the connection unit of tandem-type organic light-emitting devices. Applied Physics Letters, 2008, 93, 083304.	1.5	26
14	Quantifying Molecular Structure-Tunneling Conductance Relationships: Oligophenylene Dimethanethiol vs Oligophenylene Dithiol Molecular Junctions. Journal of Physical Chemistry C, 2021, 125, 4292-4298.	1.5	25
15	Mechanical Deformation Distinguishes Tunneling Pathways in Molecular Junctions. Journal of the American Chemical Society, 2019, 141, 497-504.	6.6	21
16	Magnetic field modulated exciton generation in organic semiconductors: An intermolecular quantum correlated effect. Physical Review B, 2010, 82, .	1.1	20
17	Large Magnetoresistance at Room Temperature in Organic Molecular Tunnel Junctions with Nonmagnetic Electrodes. ACS Nano, 2016, 10, 8571-8577.	7.3	20
18	Interfacial reactions at Al/LiF and LiF/Al. Applied Physics Letters, 2009, 94, .	1.5	18

#	Article	IF	Citations
19	How Isolated Are the Electronic States of the Core in Core/Shell Nanoparticles?. ACS Nano, 2011, 5, 863-869.	7.3	16
20	Blocking of interfacial diffusion at Ag/Alq3 by LiF. Applied Surface Science, 2007, 253, 3930-3932.	3.1	13
21	Modification of the organic/La0.7Sr0.3MnO3 interface by in situ gas treatment. Applied Surface Science, 2007, 253, 9081-9084.	3.1	9
22	Quantitative analysis of weak current rectification in molecular tunnel junctions subject to mechanical deformation reveals two different rectification mechanisms for oligophenylene thiolsversusalkane thiols. Nanoscale, 2021, 13, 16755-16768.	2.8	9
23	Strainâ€“Work Function Relationship in Single-Crystal Tetracene. ACS Applied Materials & Interfaces, 2020, 12, 40607-40612.	4.0	7
24	Photoemission study of C60-induced barrier reduction for hole injection at N, Nâ€²-bis(naphthalene-1-y1)-N, Nâ€²-bis(phenyl) benzidine/Al. Journal of Applied Physics, 2009, 105, 106105.	1.1	6
25	Theory of magnetoresistance of organic molecular tunnel junctions with nonmagnetic electrodes. Physical Review B, 2017, 95, .	1.1	6
26	Quantifying Image Charge Effects in Molecular Tunnel Junctions Based on Self-Assembled Monolayers of Substituted Oligophenylene Ethynylene Dithiols. ACS Applied Materials & Interfaces, 2021, 13, 56404-56412.	4.0	6
27	Photodegradation of organic light-emitting devices observed in nitrogen-filled environment. Thin Solid Films, 2008, 516, 2171-2174.	0.8	4
28	Negative capacitance in doped bi-layer organic light-emitting devices. Chinese Physics B, 2011, 20, 027306.	0.7	3
29	Short-circuiting in fullerene devices studied by in situ electrical measurement in high vacuum and infrared imaging analysis. Current Applied Physics, 2007, 7, 231-235.	1.1	0