

Richard J. Nichols

List of Publications by Year in descending order

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206
papers

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times ranked

11258
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#	ARTICLE	IF	CITATIONS
1	Asymmetric Effect on the Length Dependence of Oligo(Phenylene ethynylene)-Based Molecular Junctions. <i>Journal of Physical Chemistry C</i> , 2022, 126, 3635-3645.	1.5	3
2	Electrochemical gating for single-molecule electronics with hybrid Au graphene contacts. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 6836-6844.	1.3	4
3	Redox-Addressable Single-Molecule Junctions Incorporating a Persistent Organic Radical**. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	25
4	2,7- and 4,9-Dialkynyldihydropyrene Molecular Switches: Syntheses, Properties, and Charge Transport in Single-Molecule Junctions. <i>Journal of the American Chemical Society</i> , 2022, 144, 12698-12714.	6.6	12
5	Molecular electronics at electrode-electrolyte interfaces. <i>Current Opinion in Electrochemistry</i> , 2021, 25, 100650.	2.5	9
6	Long-lived charged states of single porphyrin-tape junctions under ambient conditions. <i>Nanoscale Horizons</i> , 2021, 6, 49-58.	4.1	8
7	Selective Anchoring Groups for Molecular Electronic Junctions with ITO Electrodes. <i>ACS Sensors</i> , 2021, 6, 530-537.	4.0	8
8	A quantitative determination of lipid bilayer deposition efficiency using AFM. <i>RSC Advances</i> , 2021, 11, 19768-19778.	1.7	5
9	Molecular Structure- (Thermo)electric Property Relationships in Single-Molecule Junctions and Comparisons with Single- and Multiple-Parameter Models. <i>Journal of the American Chemical Society</i> , 2021, 143, 3817-3829.	6.6	35
10	STM studies of electron transfer through single molecules at electrode-electrolyte interfaces. <i>Electrochimica Acta</i> , 2021, 387, 138497.	2.6	2
11	Effect of Molecular Structure on Electrochemical Phase Behavior of Phospholipid Bilayers on Au(111). <i>Langmuir</i> , 2021, 37, 11887-11899.	1.6	7
12	pH control of conductance in a pyrazolyl Langmuir-Blodgett monolayer. <i>Journal of Materials Chemistry C</i> , 2021, 9, 2882-2889.	2.7	12
13	A Peierls Transition in Long Polymethine Molecular Wires: Evolution of Molecular Geometry and Single-Molecule Conductance. <i>Journal of the American Chemical Society</i> , 2021, 143, 20472-20481.	6.6	19
14	Towards the design of effective multipodal contacts for use in the construction of Langmuir-Blodgett films and molecular junctions. <i>Journal of Materials Chemistry C</i> , 2020, 8, 672-682.	2.7	13
15	Folding a Single-Molecule Junction. <i>Nano Letters</i> , 2020, 20, 7980-7986.	4.5	35
16	A Chemically Soldered Polyoxometalate Single-Molecule Transistor. <i>Angewandte Chemie</i> , 2020, 132, 12127-12132.	1.6	13
17	Conductance Behavior of Tetraphenyl-Aza-BODIPYs. <i>Journal of Physical Chemistry C</i> , 2020, 124, 6479-6485.	1.5	14
18	A Chemically Soldered Polyoxometalate Single-Molecule Transistor. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12029-12034.	7.2	49

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19	<i>In situ</i> formation of H-bonding imidazole chains in break-junction experiments. <i>Nanoscale</i> , 2020, 12, 7914-7920.	2.8	23
20	Charge transport in hybrid platinum/molecule/graphene single molecule junctions. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 13498-13504.	1.3	6
21	Single molecule vs. large area design of molecular electronic devices incorporating an efficient 2-aminepyridine double anchoring group. <i>Nanoscale</i> , 2019, 11, 15871-15880.	2.8	20
22	Hemilabile Ligands as Mechanosensitive Electrode Contacts for Molecular Electronics. <i>Angewandte Chemie</i> , 2019, 131, 16736-16742.	1.6	3
23	Cross-conjugation increases the conductance of <i>meta</i> -connected fluorenones. <i>Nanoscale</i> , 2019, 11, 13720-13724.	2.8	25
24	Hemilabile Ligands as Mechanosensitive Electrode Contacts for Molecular Electronics. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16583-16589.	7.2	26
25	Innenrücktitelbild: Hemilabile Ligands as Mechanosensitive Electrode Contacts for Molecular Electronics (<i>Angew. Chem.</i> 46/2019). <i>Angewandte Chemie</i> , 2019, 131, 16851-16851.	1.6	0
26	Synthetic Control of Quantum Interference by Regulating Charge on a Single Atom in Heteroaromatic Molecular Junctions. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 6419-6424.	2.1	25
27	Charge transfer complexation boosts molecular conductance through Fermi level pinning. <i>Chemical Science</i> , 2019, 10, 2396-2403.	3.7	47
28	Effect of Asymmetric Anchoring Groups on Electronic Transport in Hybrid Metal/Molecule/Graphene Single Molecule Junctions. <i>ChemPhysChem</i> , 2019, 20, 1830-1836.	1.0	10
29	Unusual Length Dependence of the Conductance in Cumulene Molecular Wires. <i>Angewandte Chemie</i> , 2019, 131, 8466-8470.	1.6	11
30	Unusual Length Dependence of the Conductance in Cumulene Molecular Wires. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8378-8382.	7.2	39
31	Electrically transmissive alkyne-anchored monolayers on gold. <i>Nanoscale</i> , 2019, 11, 7976-7985.	2.8	16
32	Graphene-Contacted Single Molecular Junctions with Conjugated Molecular Wires. <i>ACS Applied Nano Materials</i> , 2019, 2, 12-18.	2.4	16
33	Detection of Metal-Molecule-Metal Junction Formation by Surface Enhanced Raman Spectroscopy. <i>Analytical Chemistry</i> , 2019, 91, 2644-2651.	3.2	9
34	Charge transport at a molecular GaAs nanoscale junction. <i>Faraday Discussions</i> , 2018, 210, 397-408.	1.6	11
35	Gateway state-mediated, long-range tunnelling in molecular wires. <i>Nanoscale</i> , 2018, 10, 3060-3067.	2.8	25
36	Dual Control of Molecular Conductance through pH and Potential in Single-Molecule Devices. <i>Nano Letters</i> , 2018, 18, 1317-1322.	4.5	49

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37	Detecting Mechanochemical Atropisomerization within an STM Break Junction. <i>Journal of the American Chemical Society</i> , 2018, 140, 710-718.	6.6	38
38	Discrimination between hydrogen bonding and protonation in the spectra of a surface-enhanced Raman sensor. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 866-871.	1.3	22
39	Biomaterial Functionalized Graphene-Magnetite Nanocomposite: A Novel Approach for Simultaneous Removal of Anionic Dyes and Heavy-Metal Ions. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 6328-6341.	3.2	91
40	Metal/molecule/metal junction studies of organometallic and coordination complexes; What can transition metals do for molecular electronics?. <i>Polyhedron</i> , 2018, 140, 25-34.	1.0	41
41	Facile synthesis, biofilm disruption properties and biocompatibility study of a poly-cationic peptide functionalized graphene-silver nanocomposite. <i>Biomaterials Science</i> , 2018, 6, 3356-3372.	2.6	31
42	Technical Effects of Molecule-Electrode Contacts in Graphene-Based Molecular Junctions. <i>Journal of Physical Chemistry C</i> , 2018, 122, 23200-23207.	1.5	8
43	Energy conversion at nanointerfaces: general discussion. <i>Faraday Discussions</i> , 2018, 210, 333-351.	1.6	0
44	Bias-Driven Conductance Increase with Length in Porphyrin Tapes. <i>Journal of the American Chemical Society</i> , 2018, 140, 12877-12883.	6.6	84
45	Unconventional Single-Molecule Conductance Behavior for a New Heterocyclic Anchoring Group: Pyrazolyl. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 5364-5372.	2.1	33
46	Fast and straightforward analysis approach of charge transport data in single molecule junctions. <i>Nanotechnology</i> , 2018, 29, 325701.	1.3	6
47	Towards molecular electronic devices based on all-carbon wires. <i>Nanoscale</i> , 2018, 10, 14128-14138.	2.8	37
48	Conductance of bare-bones tripodal molecular wires. <i>RSC Advances</i> , 2018, 8, 23585-23590.	1.7	16
49	Carbon-contacted single molecule electrical junctions. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 24553-24560.	1.3	9
50	The Electrical Properties of Porphyrin Single Molecule Wires. <i>ECS Meeting Abstracts</i> , 2018, .	0.0	0
51	Charge Transport through Single Molecules Connected to Semiconductor Electrodes. <i>ECS Meeting Abstracts</i> , 2018, .	0.0	0
52	Single-Molecule Transport at a Rectifying GaAs Contact. <i>Nano Letters</i> , 2017, 17, 1109-1115.	4.5	28
53	Soft versus hard junction formation for $\hat{\pm}$ -terthiophene molecular wires and their charge transfer complexes. <i>Journal of Chemical Physics</i> , 2017, 146, .	1.2	6
54	The single-molecule electrical conductance of a rotaxane-hexayne supramolecular assembly. <i>Nanoscale</i> , 2017, 9, 355-361.	2.8	47

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55	Single-Molecule Conductance Studies of Organometallic Complexes Bearing π -Thienyl Contacting Groups. <i>Chemistry - A European Journal</i> , 2017, 23, 2133-2143.	1.7	50
56	Influence of surface coverage on the formation of 4,4'-bipyridinium (viologen) single molecular junctions. <i>Journal of Materials Chemistry C</i> , 2017, 5, 11717-11723.	2.7	13
57	Single-Molecule Photocurrent at a Metal-Molecule-Semiconductor Junction. <i>Nano Letters</i> , 2017, 17, 6702-6707.	4.5	32
58	Single molecule electrochemistry in nanoscale junctions. <i>Current Opinion in Electrochemistry</i> , 2017, 4, 98-104.	2.5	16
59	Side-Group-Mediated Mechanical Conductance Switching in Molecular Junctions. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15378-15382.	7.2	74
60	Side-Group-Mediated Mechanical Conductance Switching in Molecular Junctions. <i>Angewandte Chemie</i> , 2017, 129, 15580-15584.	1.6	12
61	In Situ Surface-Enhanced Infrared Spectroscopy to Identify Oxygen Reduction Products in Nonaqueous Metal-Oxygen Batteries. <i>Journal of Physical Chemistry C</i> , 2017, 121, 19657-19667.	1.5	42
62	Symmetry Effects on Attenuation Factors in Graphene-Based Molecular Junctions. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 5987-5992.	2.1	15
63	Insulated molecular wires: inhibiting orthogonal contacts in metal complex based molecular junctions. <i>Nanoscale</i> , 2017, 9, 9902-9912.	2.8	30
64	Evidence for a hopping mechanism in metal single molecule metal junctions involving conjugated metal-terpyridyl complexes; potential-dependent conductances of complexes $[M(\text{pyterpy})_2]^{2+}$ ($M = \text{Co}$ and Fe ; pyterpy = 4-(pyridin-4-yl)-2,6-bis(2-terpyridine) in ionic liquid. <i>Faraday Discussions</i> , 2016, 193, 113-131.	1.6	24
65	Single-Molecule Conductance of Viologen-Cucurbit[8]uril Host-Guest Complexes. <i>ACS Nano</i> , 2016, 10, 5212-5220.	7.3	82
66	Towards a metallic top contact electrode in molecular electronic devices exhibiting a large surface coverage by photoreduction of silver cations. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9036-9043.	2.7	13
67	Graphene as a Promising Electrode for Low-Current Attenuation in Nonsymmetric Molecular Junctions. <i>Nano Letters</i> , 2016, 16, 6534-6540.	4.5	44
68	Single Molecule Nanoelectrochemistry in Electrical Junctions. <i>Accounts of Chemical Research</i> , 2016, 49, 2640-2648.	7.6	88
69	Experimental and Computational Studies of the Single-Molecule Conductance of Ru(II) and Pt(II) <i>trans</i> -Bis(acetylide) Complexes. <i>Organometallics</i> , 2016, 35, 2944-2954.	1.1	49
70	Low variability of single-molecule conductance assisted by bulky metal-molecule contacts. <i>RSC Advances</i> , 2016, 6, 75111-75121.	1.7	18
71	Electrochemically grafted single molecule junctions exploiting a chemical protection strategy. <i>Electrochimica Acta</i> , 2016, 220, 436-443.	2.6	11
72	Solvent Dependence of the Single Molecule Conductance of Oligoynes-Based Molecular Wires. <i>Journal of Physical Chemistry C</i> , 2016, 120, 15666-15674.	1.5	67

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73	Antibacterial Effects of Biosynthesized Silver Nanoparticles on Surface Ultrastructure and Nanomechanical Properties of Gram-Negative Bacteria viz. <i>Escherichia coli</i> and <i>Pseudomonas aeruginosa</i> . ACS Applied Materials & Interfaces, 2016, 8, 4963-4976.	4.0	377
74	Effects of Electrode-Molecule Binding and Junction Geometry on the Single-Molecule Conductance of bis-2,2',6',6'-Terpyridine-based Complexes. Inorganic Chemistry, 2016, 55, 2691-2700.	1.9	22
75	Mechanistic Insight into the Superoxide Induced Ring Opening in Propylene Carbonate Based Electrolytes using in Situ Surface-Enhanced Infrared Spectroscopy. Journal of the American Chemical Society, 2016, 138, 3745-3751.	6.6	79
76	Resonant transport and electrostatic effects in single-molecule electrical junctions. Physical Review B, 2015, 91, .	1.1	28
77	Electrical characterization of single molecule and Langmuir-Blodgett monomolecular films of a pyridine-terminated oligo(phenylene-ethynylene) derivative. Beilstein Journal of Nanotechnology, 2015, 6, 1145-1157.	1.5	17
78	Single-molecule contacts exposed. Nature Materials, 2015, 14, 465-466.	13.3	9
79	New Insights into Single-Molecule Junctions Using a Robust, Unsupervised Approach to Data Collection and Analysis. Journal of the American Chemical Society, 2015, 137, 9971-9981.	6.6	50
80	Single-Molecule Electronics: Chemical and Analytical Perspectives. Annual Review of Analytical Chemistry, 2015, 8, 389-417.	2.8	80
81	Giant Single-Molecule Anisotropic Magnetoresistance at Room Temperature. Journal of the American Chemical Society, 2015, 137, 5923-5929.	6.6	31
82	Synthesis, Electrochemistry, and Single-Molecule Conductance of Bimetallic 2,3,5,6-Tetra(pyridine-2-yl)pyrazine-Based Complexes. Inorganic Chemistry, 2015, 54, 5487-5494.	1.9	37
83	The electrochemical characterisation of graphite felts. Journal of Electroanalytical Chemistry, 2015, 747, 29-38.	1.9	74
84	Electrochemical Single-Molecule Transistors with Optimized Gate Coupling. Journal of the American Chemical Society, 2015, 137, 14319-14328.	6.6	94
85	Gating of single molecule junction conductance by charge transfer complex formation. Nanoscale, 2015, 7, 18949-18955.	2.8	41
86	Single Gold Atom Containing Oligo(phenylene)ethynylene: Assembly into LB Films and Electrical Characterization. Journal of Physical Chemistry C, 2015, 119, 784-793.	1.5	30
87	Single-Molecule Electrochemical Transistor Utilizing a Nickel-Pyridyl Spinterface. Nano Letters, 2015, 15, 275-280.	4.5	73
88	Towards the Fabrication of the Top-Contact Electrode in Molecular Junctions by Photoreduction of a Metal Precursor. Chemistry - A European Journal, 2014, 20, 3421-3426.	1.7	13
89	Molecular Electronic Devices: From an Organometallic Monolayer to an Organic Monolayer Covered by Metal Nanoislands: A Simple Thermal Protocol for the Fabrication of the Top Contact Electrode in Molecular Electronic Devices (Adv. Mater. Interfaces 9/2014). Advanced Materials Interfaces, 2014, 1, .	1.9	1
90	Ionic Liquid Based Approach for Single-Molecule Electronics with Cobalt Contacts. Langmuir, 2014, 30, 14329-14336.	1.6	19

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91	From an Organometallic Monolayer to an Organic Monolayer Covered by Metal Nanoislands: A Simple Thermal Protocol for the Fabrication of the Top Contact Electrode in Molecular Electronic Devices. <i>Advanced Materials Interfaces</i> , 2014, 1, 1400128.	1.9	21
92	Preparation of nascent molecular electronic devices from gold nanoparticles and terminal alkyne functionalised monolayer films. <i>Journal of Materials Chemistry C</i> , 2014, 2, 7348-7355.	2.7	36
93	Simplifying the conductance profiles of molecular junctions: the use of the trimethylsilylethynyl moiety as a moleculeâ€“gold contact. <i>Dalton Transactions</i> , 2013, 42, 338-341.	1.6	83
94	Electrochemistry and in situscanning tunnelling microscopy of pure and redox-marked DNA- and UNA-based oligonucleotides on Au(111)-electrode surfaces. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 776-786.	1.3	14
95	Nano-silica fabricated with silver nanoparticles: antifouling adsorbent for efficient dye removal, effective water disinfection and biofouling control. <i>Nanoscale</i> , 2013, 5, 5549.	2.8	204
96	NO adsorption on Pt (111)/Bi surfaces. <i>Electrochemistry Communications</i> , 2013, 34, 37-40.	2.3	5
97	Controlling the Structural and Electrical Properties of Diacid Oligo(Phenylene Ethynylene) Langmuirâ€“Blodgett Films. <i>Chemistry - A European Journal</i> , 2013, 19, 5352-5363.	1.7	16
98	Biotechnological Potential of Soil Isolate, <i>Flavobacterium mizutaii</i> for Removal of Azo Dyes: Kinetics, Isotherm, and Microscopic Study. <i>Separation Science and Technology</i> , 2012, 47, 1913-1925.	1.3	16
99	Single-Molecule Electrochemical Gating in Ionic Liquids. <i>Journal of the American Chemical Society</i> , 2012, 134, 16817-16826.	6.6	118
100	Surface functionalization of <i>Aspergillus versicolor</i> mycelia: in situ fabrication of cadmium sulphide nanoparticles and removal of cadmium ions from aqueous solution. <i>RSC Advances</i> , 2012, 2, 3000.	1.7	40
101	Single-molecule conductance determinations on HS(CH ₂) ₄ O(CH ₂) ₄ SH and HS(CH ₂) ₂ O(CH ₂) ₂ SH, and comparison with alkanedithiols of the same length. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 164211.	0.7	9
102	Acetylene Used as a New Linker for Molecular Junctions in Phenyleneâ€“Ethynylene Oligomer Langmuirâ€“Blodgett Films. <i>Journal of Physical Chemistry C</i> , 2012, 116, 9142-9150.	1.5	22
103	Polycation Induced Potential Dependent Structural Transitions of Oligonucleotide Monolayers on Au(111)-Surfaces. <i>Journal of the American Chemical Society</i> , 2012, 134, 19092-19098.	6.6	15
104	Comparison of the Conductance of Three Types of Porphyrinâ€“Based Molecular Wires: <i>meso</i> - <i>meso</i> -Linked and Twisted <i>meso</i> -Linked Oligomers. <i>Advanced Materials</i> , 2012, 24, 653-657.		101
105	Surface functionalization of electro-deposited nickel. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 17987.	1.3	18
106	Looking Ahead: Challenges and Opportunities in Organometallic Chemistryâ€“. <i>Organometallics</i> , 2011, 30, 7-12.	1.1	22
107	Directionally Oriented LB Films of an OPE Derivative: Assembly, Characterization, and Electrical Properties. <i>Langmuir</i> , 2011, 27, 3600-3610.	1.6	29
108	Large Conductance Changes in Peptide Single Molecule Junctions Controlled by pH. <i>Journal of Physical Chemistry C</i> , 2011, 115, 8361-8368.	1.5	60

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109	Ionic Liquids As a Medium for STM-Based Single Molecule Conductance Determination: An Exploration Employing Alkanedithiols. <i>Journal of Physical Chemistry C</i> , 2011, 115, 21402-21408.	1.5	15
110	Role of axially coordinated surface sites for electrochemically controlled carbon monoxide adsorption on single crystal copper electrodes. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 5242.	1.3	41
111	Long-range electron tunnelling in oligo-porphyrin molecular wires. <i>Nature Nanotechnology</i> , 2011, 6, 517-523.	15.6	312
112	Metal-Molecule-Metal Junctions in Langmuir-Blodgett Films Using a New Linker: Trimethylsilane. <i>Chemistry - A European Journal</i> , 2010, 16, 13398-13405.	1.7	33
113	Electroreduction of oxygen on gold-supported nanostructured palladium films in acid solutions. <i>Electrochimica Acta</i> , 2010, 55, 6768-6774.	2.6	49
114	Microbial Synthesis of Multishaped Gold Nanostructures. <i>Small</i> , 2010, 6, 1012-1021.	5.2	129
115	Substrate Structural Effects on the Synthesis and Electrochemical Properties of Platinum Nanoparticles on Highly Oriented Pyrolytic Graphite. <i>Journal of Physical Chemistry C</i> , 2010, 114, 18439-18448.	1.5	38
116	The Impact of $E^{\sim}Z$ Photo-Isomerization on Single Molecular Conductance. <i>Nano Letters</i> , 2010, 10, 2019-2023.	4.5	76
117	Identifying Diversity in Nanoscale Electrical Break Junctions. <i>Journal of the American Chemical Society</i> , 2010, 132, 9157-9164.	6.6	124
118	Electrochemical Scanning Tunneling Spectroscopy of Redox-Active Molecules Bound by Au-C Bonds. <i>Journal of the American Chemical Society</i> , 2010, 132, 2494-2495.	6.6	59
119	Fabrication, Characterization, and Electrical Properties of Langmuir-Blodgett Films of an Acid Terminated Phenylene-Ethynylene Oligomer. <i>Chemistry of Materials</i> , 2010, 22, 2041-2049.	3.2	25
120	The experimental determination of the conductance of single molecules. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 2801.	1.3	153
121	Adverse effects of asymmetric contacts on single molecule conductances of HS(CH ₂) _n COOH in nanoelectrical junctions. <i>Nanotechnology</i> , 2009, 20, 125203.	1.3	37
122	Environmental Effects on the Single Molecule Conductance of bis(thiahexyl)oligothiophenes. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1154, 1.	0.1	0
123	Biosorption of hexavalent chromium by <i>Termitomyces clypeatus</i> biomass: Kinetics and transmission electron microscopic study. <i>Journal of Hazardous Materials</i> , 2009, 167, 685-691.	6.5	50
124	Structural and Nanomechanical Properties of <i>Termitomyces clypeatus</i> Cell Wall and Its Interaction with Chromium(VI). <i>Journal of Physical Chemistry B</i> , 2009, 113, 1485-1492.	1.2	12
125	Oligoyne Single Molecule Wires. <i>Journal of the American Chemical Society</i> , 2009, 131, 15647-15654.	6.6	206
126	Adsorption Behavior of Mercury on Functionalized <i>Aspergillus versicolor</i> Mycelia: Atomic Force Microscopic Study. <i>Langmuir</i> , 2009, 25, 360-366.	1.6	47

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127	Molecular Dynamics and Electrochemical Investigations of a pH-Responsive Peptide Monolayer. <i>Journal of Physical Chemistry C</i> , 2009, 113, 6792-6799.	1.5	13
128	Gold Nanoparticles: Microbial Synthesis and Application in Water Hygiene Management. <i>Langmuir</i> , 2009, 25, 8192-8199.	1.6	299
129	Impact of Junction Formation Method and Surface Roughness on Single Molecule Conductance. <i>Journal of Physical Chemistry C</i> , 2009, 113, 5823-5833.	1.5	139
130	Anomalous length and voltage dependence of single molecule conductance. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 10831.	1.3	43
131	Single-Molecule Solvation-Shell Sensing. <i>Physical Review Letters</i> , 2009, 102, 086801.	2.9	89
132	Influence of Conformational Flexibility on Single-Molecule Conductance in Nano-Electrical Junctions. <i>Journal of Physical Chemistry C</i> , 2009, 113, 18884-18890.	1.5	22
133	Synthesis and characterization of monomeric and polymeric Pd(II) and Pt(II) complexes of 3,4-ethylenedioxythiophene-functionalized phosphine ligands. <i>Journal of Materials Chemistry</i> , 2009, 19, 1850.	6.7	18
134	First- and second-order phase transitions in the adlayer of biadipate on Au(111). <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 688-693.	1.3	3
135	A molecular wire incorporating a robust hexanuclear platinum cluster. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 5198.	1.3	24
136	Site-specific interactions of copper(II) ions with heparin revealed with complementary (SRCD, NMR,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.1	32
137	Adsorption of rhodamine B on <i>Rhizopus oryzae</i> : Role of functional groups and cell wall components. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 65, 30-34.	2.5	82
138	Shaping Supramolecular Nanofibers with Nanoparticles Forming Complementary Hydrogen Bonds. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 1861-1865.	7.2	82
139	Structure-Property Relationships in Redox-Gated Single Molecule Junctions - A Comparison of Pyrrolo-Tetrathiafulvalene and Viologen Redox Groups. <i>Journal of the American Chemical Society</i> , 2008, 130, 12204-12205.	6.6	108
140	Single Molecule Conductance of Porphyrin Wires with Ultralow Attenuation. <i>Journal of the American Chemical Society</i> , 2008, 130, 8582-8583.	6.6	233
141	Selective Detection of Protein Secondary Structural Changes in Solution Protein-Polysaccharide Complexes Using Vibrational Circular Dichroism (VCD). <i>Journal of the American Chemical Society</i> , 2008, 130, 2138-2139.	6.6	19
142	Bifunctional Electrocatalysis in Pt-Ru Nanoparticle Systems. <i>Langmuir</i> , 2008, 24, 2191-2199.	1.6	59
143	A Comprehensive Study of the Single Molecule Conductance of ω -Dicarboxylic Acid-Terminated Alkanes. <i>Journal of Physical Chemistry C</i> , 2008, 112, 3941-3948.	1.5	53
144	Interaction of Chromium with Resistant Strain <i>Aspergillus versicolor</i> : Investigation with Atomic Force Microscopy and Other Physical Studies. <i>Langmuir</i> , 2008, 24, 8643-8650.	1.6	46

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145	Variable contact gap single-molecule conductance determination for a series of conjugated molecular bridges. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 374119.	0.7	49
146	A Study on the Adsorption Mechanism of Mercury on <i>Aspergillus versicolor</i> Biomass. <i>Environmental Science & Technology</i> , 2007, 41, 8281-8287.	4.6	183
147	Chemical control of double barrier tunnelling in 1,5-dithiaalkane molecular wires. <i>Chemical Communications</i> , 2007, , 3939.	2.2	30
148	Single-Molecule Conductance of Redox Molecules in Electrochemical Scanning Tunneling Microscopy. <i>Journal of Physical Chemistry B</i> , 2007, 111, 6703-6712.	1.2	100
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