

Marcel Mayor

List of Publications by Year in descending order

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254
papers

12,777
citations

22153

59
h-index

30087

103
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280
all docs

280
docs citations

280
times ranked

11268
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	Magnetic-Field Universality of the Kondo Effect Revealed by Thermocurrent Spectroscopy. <i>Physical Review Letters</i> , 2022, 128, 147701.	7.8	11
3	Automated, 3 μ m and Sub μ m Accurate Ablation Volume Determination by Inverse Molding and X-Ray Computed Tomography. <i>Advanced Science</i> , 2022, 9, e2200136.	11.2	6
4	Mechanical compression in cofacial porphyrin cyclophane pincers. <i>Chemical Science</i> , 2022, 13, 8017-8024.	7.4	7
5	Porphyrins as building blocks for single-molecule devices. <i>Nanoscale</i> , 2021, 13, 15500-15525.	5.6	22
6	Addressing a lattice of rotatable molecular dipoles with the electric field of an STM tip. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 4874-4881.	2.8	4
7	Otto Stern's Legacy in Quantum Optics: Matter Waves and Deflectometry. , 2021, , 547-573.		0
8	Aqueous assembly of a (pseudo)rotaxane with a donor-acceptor axis formed by a Knoevenagel condensation. <i>Organic Chemistry Frontiers</i> , 2021, 8, 4399-4407.	4.5	1
9	Induced axial chirality by a tight belt: naphthalene chromophores fixed in a 2,5-substituted cofacial <i>para</i> -phenylene-ethynylene framework. <i>Journal of Materials Chemistry C</i> , 2021, 9, 16199-16207.	5.5	0
10	Enantiomeric Separation of Semiconducting Single-Walled Carbon Nanotubes by Acid Cleavable Chiral Polyfluorene. <i>ACS Nano</i> , 2021, 15, 4699-4709.	14.6	25
11	Bicyclic Phenyl-Ethynyl Architectures: Synthesis of a 1,4-Bis(phenylbuta-1,3-diyne) Benzene Banister. <i>Chemistry - A European Journal</i> , 2021, 27, 6295-6307.	3.3	4
12	Sulfone α -Helices: Revealing Unexpected Parameters Controlling the Enantiomerization Process. <i>Journal of Organic Chemistry</i> , 2021, 86, 5431-5442.	3.2	3
13	Degradable Fluorene- and Carbazole-Based Copolymers for Selective Extraction of Semiconducting Single-Walled Carbon Nanotubes. <i>Macromolecules</i> , 2021, 54, 4363-4374.	4.8	10
14	Monofunctionalized Gold Nanoparticles: Fabrication and Applications. <i>Chimia</i> , 2021, 75, 414.	0.6	3
15	Reaktionsverfolgung von Festphasensynthesen in selbstassemblierenden Monolagen mit oberflächenverstärkter Raman-Spektroskopie. <i>Angewandte Chemie</i> , 2021, 133, 18126-18134.	2.0	3
16	Synthesis and Surface Behaviour of NDI Chromophores Mounted on a Tripodal Scaffold: Towards Self-Decoupled Chromophores for Single-Molecule Electroluminescence. <i>Chemistry - A European Journal</i> , 2021, 27, 12144-12155.	3.3	4
17	Monitoring Solid-Phase Reactions in Self-Assembled Monolayers by Surface-Enhanced Raman Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 17981-17988.	13.8	15
18	Substitution Pattern Controlled Quantum Interference in [2.2]Paracyclophane-Based Single-Molecule Junctions. <i>Journal of the American Chemical Society</i> , 2021, 143, 13944-13951.	13.7	24

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19	An Ortho π -Tetraphenylene-Based π - σ -Gel Architecture Consisting Exclusively of 52 sp ² -Hybridized C ₃ Atoms. <i>Chemistry - A European Journal</i> , 2021, 27, 13258-13267.	3.3	3
20	Controlling the Entropy of a Single-Molecule Junction. <i>Nano Letters</i> , 2021, 21, 9715-9719.	9.1	9
21	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
22	Improved Photostability of a Cu I Complex by Macrocyclization of the Phenanthroline Ligands. <i>Chemistry - A European Journal</i> , 2020, 26, 3119-3128.	3.3	8
23	Alkyne-Monofunctionalized Gold Nanoparticles as Massive Molecular Building Blocks. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 2325-2334.	2.0	2
24	Synthesis and Transport Studies of a Cofacial Porphyrin Cyclophane. <i>Journal of Organic Chemistry</i> , 2020, 85, 15072-15081.	3.2	5
25	Iron in a Cage: Fixation of a Fe(II)tpy ₂ Complex by Fourfold Interlinking. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15947-15952.	13.8	16
26	Iron in a Cage: Fixation of a Fe(II)tpy ₂ Complex by Fourfold Interlinking. <i>Angewandte Chemie</i> , 2020, 132, 16081-16086.	2.0	4
27	Chirality sensing of terpenes, steroids, amino acids, peptides and drugs with acyclic cucurbit[<i>n</i>]urils and molecular tweezers. <i>Chemical Communications</i> , 2020, 56, 4652-4655.	4.1	26
28	The Enantiomers of Trinorbornane and Derivatives Thereof. <i>Helvetica Chimica Acta</i> , 2020, 103, e2000019.	1.6	3
29	Electron-Phonon Coupling in Current-Driven Single-Molecule Junctions. <i>Journal of the American Chemical Society</i> , 2020, 142, 3384-3391.	13.7	20
30	Matter-wave interference and deflection of tripeptides decorated with fluorinated alkyl chains. <i>Journal of Mass Spectrometry</i> , 2020, 55, e4514.	1.6	7
31	Heterogenization of Photochemical Molecular Devices: Embedding a Metal-Organic Cage into a ZIF-8-Derived Matrix To Promote Proton and Electron Transfer. <i>Journal of the American Chemical Society</i> , 2019, 141, 13057-13065.	13.7	64
32	Unravelling the conductance path through single-porphyrin junctions. <i>Chemical Science</i> , 2019, 10, 8299-8305.	7.4	30
33	Mechanical Stabilization of Helical Chirality in a Macrocyclic Oligothiophene. <i>Journal of the American Chemical Society</i> , 2019, 141, 2104-2110.	13.7	41
34	Preparation of Unsymmetrical Disulfides from Thioacetates and Thiosulfonates. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 6956-6960.	2.4	16
35	2-(3-Cyanopropyl)dimethylsilyl)ethyl as a Polar Sulfur Protecting Group. <i>Synthesis</i> , 2019, 51, 4153-4164.	2.3	0
36	Quantum superposition of molecules beyond 25 kDa. <i>Nature Physics</i> , 2019, 15, 1242-1245.	16.7	170

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37	Slow Formation of Pseudorotaxanes in Water. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 3384-3390.	2.4	3
38	Fragmentation and Distortion of Terpyridine-Based Spin-Crossover Complexes on Au(111). <i>Journal of Physical Chemistry C</i> , 2019, 123, 4178-4185.	3.1	32
39	Electrochemical Multiplexing: Control over Surface Functionalization by Combining a Redox-Sensitive Alkyne Protection Group with "Click" Chemistry. <i>Advanced Materials Interfaces</i> , 2019, 6, 1801917.	3.7	5
40	Tuning the contact conductance of anchoring groups in single molecule junctions by molecular design. <i>Nanoscale</i> , 2019, 11, 12959-12964.	5.6	6
41	Photomodulation of Two-Dimensional Self-Assembly of Azobenzene-Hexaperi-hexabenzocoronene Azobenzene Triads. <i>Chemistry of Materials</i> , 2019, 31, 6979-6985.	6.7	18
42	A New Class of Rigid Multi(azobenzene) Switches Featuring Electronic Decoupling: Unravelling the Isomerization in Individual Photochromes. <i>Journal of the American Chemical Society</i> , 2019, 141, 9273-9283.	13.7	43
43	Enhanced Separation Concept (ESC): Removing the Functional Subunit from the Electrode by Molecular Design. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 5334-5343.	2.4	11
44	Six state molecular revolver mounted on a rigid platform. <i>Nanoscale</i> , 2019, 11, 9015-9022.	5.6	11
45	Molecular Ansa-Basket: Synthesis of Inherently Chiral All-Carbon [12](1,6)Pyrenophane. <i>Journal of Organic Chemistry</i> , 2019, 84, 5271-5276.	3.2	5
46	Beyond Simple Substitution Patterns " Symmetrically Tetrasubstituted [2.2]Paracyclophanes as 3D Functional Materials. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 3073-3085.	2.4	17
47	Probabilistic mapping of single molecule junction configurations as a tool to achieve the desired geometry of asymmetric tripodal molecules. <i>Chemical Communications</i> , 2019, 55, 3351-3354.	4.1	12
48	Neutralization of insulin by photocleavage under high vacuum. <i>Chemical Communications</i> , 2019, 55, 12507-12510.	4.1	5
49	Aqueous Assembly of Zwitterionic Daisy Chains. <i>Chemistry - A European Journal</i> , 2019, 25, 285-295.	3.3	8
50	In-situ formation of one-dimensional coordination polymers in molecular junctions. <i>Nature Communications</i> , 2019, 10, 262.	12.8	30
51	A Chiral Macrocyclic Oligothiophene with Broken Conjugation " Rapid Racemization through Internal Rotation. <i>Helvetica Chimica Acta</i> , 2019, 102, e1800205.	1.6	6
52	From the Loom to the Laboratory: Molecular Textiles. <i>Chimia</i> , 2019, 73, 455.	0.6	3
53	Gold Nanoparticles Stabilized by Single Tripodal Ligands. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1800015.	2.3	6
54	Isotope-selective high-order interferometry with large organic molecules in free fall. <i>New Journal of Physics</i> , 2018, 20, 033016.	2.9	11

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55	Voltage-Driven Conformational Switching with Distinct Raman Signature in a Single-Molecule Junction. <i>Journal of the American Chemical Society</i> , 2018, 140, 4835-4840.	13.7	39
56	Chiral macrocyclic terpyridine complexes. <i>Chemical Science</i> , 2018, 9, 3837-3843.	7.4	17
57	Pushing the mass limit for intact launch and photoionization of large neutral biopolymers. <i>Communications Chemistry</i> , 2018, 1, .	4.5	10
58	Electronic Decoupling in C ₃ -Symmetrical Light-Responsive Tris(Azobenzene) Scaffolds: Self-Assembly and Multiphotochromism. <i>Journal of the American Chemical Society</i> , 2018, 140, 16062-16070.	13.7	37
59	A Phenyl-Ethynyl-Macrocyclic: A Model Compound for Gel-Oligomers Comprising Reactive Conjugated Banisters. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 3391-3402.	2.4	5
60	Metallic nanoparticle contacts for high-yield, ambient-stable molecular-monolayer devices. <i>Nature</i> , 2018, 559, 232-235.	27.8	75
61	Series of Photoswitchable Azobenzene-Containing Metal-Organic Frameworks with Variable Adsorption Switching Effect. <i>Journal of Physical Chemistry C</i> , 2018, 122, 19044-19050.	3.1	54
62	Tailored photocleavable peptides: fragmentation and neutralization pathways in high vacuum. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 11412-11417.	2.8	9
63	Large Conductance Variations in a Mechanosensitive Single-Molecule Junction. <i>Nano Letters</i> , 2018, 18, 5981-5988.	9.1	69
64	Molecular dynamic staircases: all-carbon axial chiral structures. <i>Chemical Science</i> , 2018, 9, 5758-5766.	7.4	12
65	Size Matters: Influence of Gold-Ligand Ratio and Sulfur-Sulfur Distance of Linear Thioether Heptamers on the Size of Gold Nanoparticles. <i>Helvetica Chimica Acta</i> , 2017, 100, e1600395.	1.6	3
66	Chirality in curved polyaromatic systems. <i>Chemical Society Reviews</i> , 2017, 46, 1643-1660.	38.1	194
67	Molecular weaving via surface-templated epitaxy of crystalline coordination networks. <i>Nature Communications</i> , 2017, 8, 14442.	12.8	70
68	An electrically actuated molecular toggle switch. <i>Nature Communications</i> , 2017, 8, 14672.	12.8	77
69	Deltoid versus Rhomboid: Controlling the Shape of Bis-ferrocene Macrocycles by the Bulkiness of the Substituents. <i>Organometallics</i> , 2017, 36, 858-866.	2.3	16
70	Sequential nested assembly at the liquid/solid interface. <i>Faraday Discussions</i> , 2017, 204, 173-190.	3.2	9
71	Long-pulse laser launch and ionization of tailored large neutral silver nanoparticles with atomic mass assignment. <i>Nanoscale</i> , 2017, 9, 9175-9180.	5.6	2
72	Molecular Graph Paper. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8290-8294.	13.8	19

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73	Assembly of [2]Rotaxanes in Water. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 4091-4103.	2.4	8
74	Tuning Charge Transport Properties of Asymmetric Molecular Junctions. <i>Journal of Physical Chemistry C</i> , 2017, 121, 12885-12894.	3.1	36
75	A Molecular Turnstile as an <i>Field-Triggered Single-Molecule Switch: Concept and Synthesis</i> . <i>European Journal of Organic Chemistry</i> , 2017, 2017, 3165-3178.	2.4	10
76	A multifunctional poly-N-vinylcarbazole interlayer in perovskite solar cells for high stability and efficiency: a test with new triazatruxene-based hole transporting materials. <i>Journal of Materials Chemistry A</i> , 2017, 5, 1913-1918.	10.3	83
77	Synthesis of trinorbornane. <i>Chemical Communications</i> , 2017, 53, 11399-11402.	4.1	9
78	Spatial and Lateral Control of Functionality by Rigid Molecular Platforms. <i>Chemistry - A European Journal</i> , 2017, 23, 13538-13548.	3.3	38
79	Tailoring the volatility and stability of oligopeptides. <i>Journal of Mass Spectrometry</i> , 2017, 52, 550-556.	1.6	11
80	Molekulares Kästchenpapier. <i>Angewandte Chemie</i> , 2017, 129, 8405-8410.	2.0	7
81	Investigation of the geometrical arrangement and single molecule charge transport in self-assembled monolayers of molecular towers based on tetraphenylmethane tripod. <i>Electrochimica Acta</i> , 2017, 258, 1191-1200.	5.2	17
82	Adatom Coadsorption with Three-Dimensional Cyclophanes on Ag(111). <i>Journal of Physical Chemistry C</i> , 2017, 121, 25303-25308.	3.1	5
83	Selective photodissociation of tailored molecular tags as a tool for quantum optics. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 325-333.	2.8	6
84	Frontispiece: Spatial and Lateral Control of Functionality by Rigid Molecular Platforms. <i>Chemistry - A European Journal</i> , 2017, 23, .	3.3	0
85	Rigid multipodal platforms for metal surfaces. <i>Beilstein Journal of Nanotechnology</i> , 2016, 7, 374-405.	2.8	55
86	Linear Tetraphenylmethane-Based Thioether Oligomers Stabilising an Entire Gold Nanoparticle by Enwrapping. <i>Chemistry - A European Journal</i> , 2016, 22, 2261-2265.	3.3	5
87	Hydrophobic Hole-Transporting Materials Incorporating Multiple Thiophene Cores with Long Alkyl Chains for Efficient Perovskite Solar Cells. <i>Electrochimica Acta</i> , 2016, 209, 529-540.	5.2	29
88	Identification of the current path for a conductive molecular wire on a tripodal platform. <i>Nanoscale</i> , 2016, 8, 10582-10590.	5.6	24
89	Stretching-Induced Conductance Increase in a Spin-Crossover Molecule. <i>Nano Letters</i> , 2016, 16, 4733-4737.	9.1	96
90	Importance of the Anchor Group Position (<i>Para</i> versus <i>Meta</i>) in Tetraphenylmethane Tripods: Synthesis and Self-Assembly Features. <i>Chemistry - A European Journal</i> , 2016, 22, 13218-13235.	3.3	39

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91	Promoted Exchange Reaction between Alkanethiolate Self-Assembled Monolayers and an Azide-Bearing Substituent. <i>Journal of Physical Chemistry C</i> , 2016, 120, 25967-25976.	3.1	14
92	Rotationally Restricted 1,1'-bis(phenylethynyl)ferrocene Subunits in Macrocycles. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 2187-2199.	2.4	4
93	Determining Inversion Barriers in Atrop-isomers – A Tutorial for Organic Chemists. <i>Chimia</i> , 2016, 70, 192.	0.6	24
94	Functional Nanopores: A Solid-state Concept for Artificial Reaction Compartments and Molecular Factories. <i>Chimia</i> , 2016, 70, 432.	0.6	1
95	Strain-induced helical chirality in polyaromatic systems. <i>Chemical Society Reviews</i> , 2016, 45, 1542-1556.	38.1	238
96	Stability of high-mass molecular libraries: the role of the oligoporphyrin core. <i>Journal of Mass Spectrometry</i> , 2015, 50, 235-239.	1.6	8
97	Single-Molecule Spin Switch Based on Voltage-Triggered Distortion of the Coordination Sphere. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13425-13430.	13.8	138
98	Tuning Helical Chirality in Polycyclic Ladder Systems. <i>Chemistry - A European Journal</i> , 2015, 21, 18156-18167.	3.3	13
99	Activation enthalpies and entropies of the atropisomerization of substituted butyl-bridged biphenyls. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 11165-11173.	2.8	9
100	Ultraflat nanopores for wafer-scale molecular-electronic applications. , 2015, , .		3
101	Through the Maze: Cross-Coupling Pathways to a Helical Hexaphenyl -Molecule. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 786-801.	2.4	9
102	Modulating the charge injection in organic field-effect transistors: fluorinated oligophenyl self-assembled monolayers for high work function electrodes. <i>Journal of Materials Chemistry C</i> , 2015, 3, 3007-3015.	5.5	62
103	New 4,4'-Bis(9-carbazolyl)-Biphenyl Derivatives with Locked Carbazole-Biphenyl Junctions: High-Triplet State Energy Materials. <i>Chemistry of Materials</i> , 2015, 27, 1772-1779.	6.7	32
104	Laser-Induced Acoustic Desorption of Natural and Functionalized Biochromophores. <i>Analytical Chemistry</i> , 2015, 87, 5614-5619.	6.5	21
105	Au nanoparticle scaffolds modulating intermolecular interactions among the conjugated azobenzenes chemisorbed on curved surfaces: tuning the kinetics of <i>cis</i> → <i>trans</i> isomerisation. <i>Nanoscale</i> , 2015, 7, 13836-13839.	5.6	17
106	STM study of oligo(phenylene-ethynylene)s. <i>New Journal of Physics</i> , 2015, 17, 053043.	2.9	7
107	Bestowing structure upon the pores of a supramolecular network. <i>Chemical Communications</i> , 2014, 50, 14175-14178.	4.1	6
108	Fabrication of carbon nanotube nanogap electrodes by helium ion sputtering for molecular contacts. <i>Applied Physics Letters</i> , 2014, 104, 103102.	3.3	24

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109	Dumbbells, Trikes and Quads: Organic-Inorganic Hybrid Nanoarchitectures Based on "Clicked" Gold Nanoparticles. <i>Small</i> , 2014, 10, 349-359.	10.0	17
110	Selective Dispersion of Large-Diameter Semiconducting Single-Walled Carbon Nanotubes with Pyridine-Containing Copolymers. <i>Small</i> , 2014, 10, 360-367.	10.0	35
111	Inducing Axial Chirality in a "Gel" Oligomer by Length Mismatch of the Oligomer Strands. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 14587-14591.	13.8	24
112	Light-induced reversible modification of the work function of a new perfluorinated biphenyl azobenzene chemisorbed on Au (111). <i>Nanoscale</i> , 2014, 6, 8969-8977.	5.6	31
113	Controlled assembly and single electron charging of monolayer protected Au ₁₄₄ clusters: an electrochemistry and scanning tunneling spectroscopy study. <i>Nanoscale</i> , 2014, 6, 15117-15126.	5.6	10
114	Synthesis of Molecular Tripods Based on a Rigid 9,9'-Spirobifluorene Scaffold. <i>Journal of Organic Chemistry</i> , 2014, 79, 7342-7357.	3.2	43
115	Synthesis of Highly Fluoroalkyl-Functionalized Oligoporphyrin Systems. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 6884-6895.	2.4	9
116	Large Work Function Shift of Gold Induced by a Novel Perfluorinated Azobenzene-Based Self-Assembled Monolayer. <i>Advanced Materials</i> , 2013, 25, 432-436.	21.0	93
117	Controllability of the Coulomb charging energy in close-packed nanoparticle arrays. <i>Nanoscale</i> , 2013, 5, 10258.	5.6	20
118	4,4'-Disubstituted Terpyridines and Their Homoleptic Fe ^{II} Complexes. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 3334-3347.	2.0	26
119	Molecular Daisy Chains: Synthesis and Aggregation Studies of an Amphiphilic Molecular Rod. <i>Chemistry - A European Journal</i> , 2013, 19, 2089-2101.	3.3	10
120	Add a third hook: S-acetyl protected oligophenylene pyridine dithiols as advanced precursors for self-assembled monolayers. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 2836.	2.8	12
121	Isolated facial and meridional tris(bipyridine)Ru(II) for STM studies on Au(111). <i>Chemical Communications</i> , 2013, 49, 1076-1078.	4.1	11
122	Matter-wave interference of particles selected from a molecular library with masses exceeding 10 ⁴ amu. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 14696.	2.8	197
123	Tripodal M ^{III} Complexes on Au(111) Surfaces: Towards Molecular "Lunar Modules". <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 70-79.	2.0	11
124	Electron transport through catechol-functionalized molecular rods. <i>Electrochimica Acta</i> , 2013, 110, 709-717.	5.2	11
125	Single-Photon Ionization of Organic Molecules Beyond 10 ⁴ Da. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 602-608.	2.8	10
126	A Tripodal Molecule on a Gold Surface: Orientation-Dependent Coupling and Electronic Properties of the Molecular Legs. <i>ACS Nano</i> , 2013, 7, 6170-6180.	14.6	11

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127	Temperature and magnetic field dependence of a Kondo system in the weak coupling regime. <i>Nature Communications</i> , 2013, 4, 2110.	12.8	125
128	Molecular daisy chains. <i>Chemical Society Reviews</i> , 2013, 42, 44-62.	38.1	130
129	Atropisomerization of di-para-substituted propyl-bridged biphenyl cyclophanes. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 110-118.	2.8	27
130	Nanopatterning by Molecular Self-assembly on Surfaces. <i>Chimia</i> , 2013, 67, 222-226.	0.6	5
131	<i>Ab initio</i> study of the thermopower of biphenyl-based single-molecule junctions. <i>Physical Review B</i> , 2012, 86, .	3.2	43
132	First-principle-based MD description of azobenzene molecular rods. <i>Theoretical Chemistry Accounts</i> , 2012, 131, 1.	1.4	18
133	Scanning the Potential Energy Surface for Synthesis of Dendrimer-Wrapped Gold Clusters: Design Rules for True Single-Molecule Nanostructures. <i>ACS Nano</i> , 2012, 6, 3007-3017.	14.6	26
134	Selective dispersion of single-walled carbon nanotubes via easily accessible conjugated click polymers. <i>Polymer Chemistry</i> , 2012, 3, 1966.	3.9	29
135	Influence of molecular weight on selective oligomer-assisted dispersion of single-walled carbon nanotubes and subsequent polymer exchange. <i>Chemical Communications</i> , 2012, 48, 2516.	4.1	27
136	Monofunctionalized Gold Nanoparticles Stabilized by a Single Dendrimer Form Dumbbell Structures upon Homocoupling. <i>Journal of the American Chemical Society</i> , 2012, 134, 14674-14677.	13.7	41
137	Optically switchable organic field-effect transistors based on photoresponsive gold nanoparticles blended with poly(3-hexylthiophene). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 12375-12380.	7.1	70
138	Real-time single-molecule imaging of quantum interference. <i>Nature Nanotechnology</i> , 2012, 7, 297-300.	31.5	115
139	Conduction mechanisms in biphenyl dithiol single-molecule junctions. <i>Physical Review B</i> , 2012, 85, .	3.2	82
140	Increased efficiency of light-emitting diodes incorporating anodes functionalized with fluorinated azobenzene monolayers and a green-emitting polyfluorene derivative. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	9
141	Polymer Library Comprising Fluorene and Carbazole Homo- and Copolymers for Selective Single-Walled Carbon Nanotubes Extraction. <i>Macromolecules</i> , 2012, 45, 713-722.	4.8	80
142	Synthesis and Solid-State Investigations of Oligo-Phenylene-Ethynylene Structures with Halide End-Groups. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 2738-2747.	2.4	9
143	Negative Differential Photoconductance in Gold Nanoparticle Arrays in the Coulomb Blockade Regime. <i>ACS Nano</i> , 2012, 6, 4181-4189.	14.6	26
144	Experimental Evidence for Quantum Interference and Vibrationally Induced Decoherence in Single-Molecule Junctions. <i>Physical Review Letters</i> , 2012, 109, 056801.	7.8	185

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145	Multiscale Charge Injection and Transport Properties in Self-Assembled Monolayers of Biphenyl Thiols with Varying Torsion Angles. <i>Chemistry - A European Journal</i> , 2012, 18, 10335-10347.	3.3	30
146	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.	13.7	212
147	In Situ Gap-Mode Raman Spectroscopy on Single-Crystal Au(100) Electrodes: Tuning the Torsion Angle of 4,4'-Biphenyldithiols by an Electrochemical Gate Field. <i>Journal of the American Chemical Society</i> , 2011, 133, 7332-7335.	13.7	79
148	Redox-Switching in a Viologen-type Adlayer: An Electrochemical Shell-Isolated Nanoparticle Enhanced Raman Spectroscopy Study on Au(111)-(1 \times 1) Single Crystal Electrodes. <i>ACS Nano</i> , 2011, 5, 5662-5672.	14.6	83
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