Timothy M Swager

List of Publications by Year
in descending order

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545 papers	51,335 citations	1877 105 h-index	2402 204 g-index
583 all docs	583 docs citations	583 times ranked	41162 citing authors

#	Article	IF	Citations
1	Dynamic Polypyrrole Coreâ€“Shell Chemomechanical Actuators. Chemistry of Materials, 2022, 34, 3013-3019.	3.2	7
2	Multifunctional Photonic Janus Particles. Journal of the American Chemical Society, 2022, 144, 5661-5667.	6.6	23
3	Solution-processable microporous polymer platform for heterogenization of diverse photoredox catalysts. Nature Communications, 2022, 13, .	5.8	11
4	Thiapillar[6]arene: Synthesis, Functionalization, and Properties. Synlett, 2022, 33, 1532-1538.	1.0	5
5	ABCs of Faraday Rotation in Organic Materials. Journal of the American Chemical Society, 2022, 144, 11912-11926.	6.6	11
6	Side-Chain Length and Dispersity in ROMP Polymers with Pore-Generating Side Chains for Gas Separations. Jacs Au, 2022, 2, 1610-1615.	3.6	9
7	Methane Detection with a Tungstenâ€Calix[4]areneâ€Based Conducting Polymer Embedded Sensor Array. Advanced Functional Materials, 2021, 31, 2007281.	7.8	9
8	Hybrid Approach to Fabricate Uniform and Active Molecular Junctions. Nano Letters, 2021, 21, 1606-1612.	4.5	6
9	Dynamic Coloration of Complex Emulsions by Localization of Gold Rings Near the Triphase Junction. Small, 2021, 17, e2007507.	5.2	6
10	Trace Detection of Hydrogen Peroxide via Dynamic Double Emulsions. Journal of the American Chemical Society, 2021, 143, 4397-4404.	6.6	25
11	Large Faraday Rotation in Optical-Quality Phthalocyanine and Porphyrin Thin Films. Journal of the American Chemical Society, 2021, 143, 7096-7103.	6.6	17
12	C-Term Faraday Rotation in Metallocene Containing Thin Films. ACS Applied Materials & Interfaces, 2021, 13, 25137-25142.	4.0	9
13	Janus Emulsion Biosensors for Anti-SARS-CoV-2 Spike Antibody. ACS Central Science, 2021, 7, 1166-1175.	5.3	28
14	Wireless Tags with Hybrid Nanomaterials for Volatile Amine Detection. ACS Sensors, 2021, 6, 2457-2464.	4.0	29
15	Complex Liquid Crystal Emulsions for Biosensing. Journal of the American Chemical Society, 2021, 143, 9177-9182.	6.6	46
16	Reconfigurable Pickering Emulsions with Functionalized Carbon Nanotubes. Langmuir, 2021, 37, 8204-8211.	1.6	5
17	Electric-Field-Induced Chirality in Columnar Liquid Crystals. Journal of the American Chemical Society, 2021, 143, 9260-9266.	6.6	23
18	Polymerization and Depolymerization of Photoluminescent Polyarylene Chalcogenides. Macromolecules, 2021, 54, 6698-6704.	2.2	3

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19	Versatile Porous Poly(arylene ether)s via Pd-Catalyzed Câ€“O Polycondensation. Journal of the American Chemical Society, 2021, 143, 11828-11835.	6.6	20
20	Electrocatalytic Isoxazolineâ€“Nanocarbon Metal Complexes. Journal of the American Chemical Society, 2021, 143, 10441-10453.	6.6	18
21	Trace Hydrogen Sulfide Sensing Inspired by Polyoxometalate-Mediated Aerobic Oxidation. ACS Central Science, 2021, 7, 1572-1580.	5.3	14
22	Flexible Chemiresistive Cyclohexanone Sensors Based on Single-Walled Carbon Nanotubeâ€“Polymer Composites. ACS Sensors, 2021, 6, 3056-3062.	4.0	16
23	Revisiting the Heck Reaction for Fluorous Materials Applications. Synlett, 2021, 32, 1725-1729.	1.0	4
24	Actuation of Janus Emulsion Droplets via Optothermally Induced Marangoni Forces. Physical Review Letters, 2021, 127, 144503.	2.9	17
25	An Organic Chemistâ€™s Guide to N-Nitrosamines: Their Structure, Reactivity, and Role as Contaminants. Journal of Organic Chemistry, 2021, 86, 2037-2057.	1.7	82
26	A chemiresistive methane sensor. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	28
27	Metallocalix[4]arene Polymers for Gravimetric Detection of N-Nitrosodialkylamines. Journal of the American Chemical Society, 2021, 143, 19809-19815.	6.6	12
28	Overhauser Dynamic Nuclear Polarization with Selectively Deuterated BDPA Radicals. Journal of the American Chemical Society, 2021, 143, 20281-20290.	6.6	26
29	Molecular Platform for Fast Low-Voltage Nanoelectromechanical Switching. Nano Letters, 2021, 21, 10244-10251.	4.5	4
30	Chemiresistors for the Realâ€Time Wireless Detection of Anions. Advanced Functional Materials, 2020, 30, 1907087.	7.8	16
31	Editorial for the Special Issue on Functional Organic Materials. Journal of Organic Chemistry, 2020, 85, 1-3.	1.7	3
32	Aryl Migration on Graphene. Journal of the American Chemical Society, 2020, 142, 17876-17880.	6.6	14
33	Cyclobutene based macrocycles. Materials Chemistry Frontiers, 2020, 4, 3529-3538.	3.2	3
34	Hydrogen Sensors from Composites of Ultra-small Bimetallic Nanoparticles and Porous Ion-Exchange Polymers. CheM, 2020, 6, 2746-2758.	5.8	19
35	Electroactive Anion Receptor with High Affinity for Arsenate. Journal of Organic Chemistry, 2020, 85, 10050-10061.	1.7	19
36	Azuleneâ€“Pyridine-Fused Heteroaromatics. Journal of the American Chemical Society, 2020, 142, 13598-13605.	6.6	76

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37	Chelating Phosphine Ligand Stabilized AuNPs in Methane Detection. ACS Nano, 2020, 14, 11605-11612.	7.3	16
38	Dynamic Adsorption of Functionalized Zwitterionic Copolymers on Carbonate Surfaces under Extreme Reservoir Conditions. Energy & Fuels, 2020, 34, 12018-12025.	2.5	7
39	Programmable Emulsions via Nucleophile-Induced Covalent Surfactant Modifications. Chemistry of Materials, 2020, 32, 4663-4671.	3.2	15
40	Fluorous phthalocyanines and subphthalocyanines. Journal of Porphyrins and Phthalocyanines, 2020, 24, 1074-1082.	0.4	6
41	Fluorescent Janus emulsions for biosensing of Listeria monocytogenes. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 11923-11930.	3.3	28
42	Switchable Full-Color Reflective Photonic Ellipsoidal Particles. Journal of the American Chemical Society, 2020, 142, 10424-10430.	6.6	85
43	Functional Single-Walled Carbon Nanotubes for Anion Sensing. ACS Applied Materials & Interfaces, 2020, 12, 28375-28382.	4.0	14
44	Pentiptycene Polymer/Single-Walled Carbon Nanotube Complexes: Applications in Benzene, Toluene, and o-Xylene Detection. ACS Nano, 2020, 14, 7297-7307.	7.3	34
45	Trace Ethylene Sensing via Wacker Oxidation. ACS Central Science, 2020, 6, 507-512.	5.3	48
46	Brine-Soluble Zwitterionic Copolymers with Tunable Adsorption on Rocks. ACS Applied Materials & Interfaces, 2020, 12, 13568-13574.	4.0	9
47	Controlled Movement of Complex Double Emulsions via Interfacially Confined Magnetic Nanoparticles. ACS Central Science, 2020, 6, 1460-1466.	5.3	21
48	Lock-and-Key Exciplexes for Thermally Activated Delayed Fluorescence. Organic Materials, 2020, 02, 001-010.	1.0	7
49	One-Pot Regiodirected Annulations for the Rapid Synthesis of Ï€-Extended Oligomers. Organic Letters, 2020, 22, 3263-3267.	2.4	25
50	Thiophene-fused polyaromatics: synthesis, columnar liquid crystal, fluorescence and electrochemical properties. Chemical Science, 2020, 11, 4695-4701.	3.7	22
51	Autonomously Responsive Membranes for Chemical Warfare Protection. Advanced Functional Materials, 2020, 30, 2000258.	7.8	32
52	Dynamic Complex Emulsions as Amplifiers for On-Chip Photonic Cavity-Enhanced Resonators. ACS Sensors, 2020, 5, 1996-2002.	4.0	14
53	High frequency dynamic nuclear polarization: New directions for the 21st century. Journal of Magnetic Resonance, 2019, 306, 128-133.	1.2	33
54	Porous Ion Exchange Polymer Matrix for Ultrasmall Au Nanoparticle-Decorated Carbon Nanotube Chemiresistors. Chemistry of Materials, 2019, 31, 5413-5420.	3.2	17

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55	Chemiresistive Sensor Array and Machine Learning Classification of Food. ACS Sensors, 2019, 4, 2101-2108.	4.0	95
56	Living Polymerization of 2-Ethylthio-2-oxazoline and Postpolymerization Diversification. Journal of the American Chemical Society, 2019, 141, 12498-12501.	6.6	18
57	Functional, Redox-Responsive Poly(phenylene sulfide)-Based Gels. Macromolecules, 2019, 52, 8256-8265.	2.2	13
58	Dynamic Complex Liquid Crystal Emulsions. Journal of the American Chemical Society, 2019, 141, 18246-18255.	6.6	51
59	Dynamic Imine Chemistry at Complex Double Emulsion Interfaces. Journal of the American Chemical Society, 2019, 141, 18048-18055.	6.6	64
60	Ionic Highways from Covalent Assembly in Highly Conducting and Stable Anion Exchange Membrane Fuel Cells. Journal of the American Chemical Society, 2019, 141, 18152-18159.	6.6	99
61	Dynamically Reconfigurable, Multifunctional Emulsions with Controllable Structure and Movement. Advanced Materials, 2019, 31, e1905569.	11.1	33
62	Dynamic Fluidâ€Like Graphene with Ultralow Frictional Molecular Bearing. Advanced Materials, 2019, 31, e1903195.	11.1	10
63	Solvent-responsive cavitand lanthanum complex. Dalton Transactions, 2019, 48, 13732-13739.	1.6	2
64	Molecular dependencies of dynamic stiffening and strengthening through high strain rate microparticle impact of polyurethane and polyurea elastomers. Applied Physics Letters, 2019, 115, .	1.5	27
65	Improvement of Baker's yeast-based fuel cell power output by electrodes and proton exchange membrane modification. Materials Science and Engineering C, 2019, 105, 110082.	3.8	6
66	Chemiresistive Carbon Nanotube Sensors for N-Nitrosodialkylamines. ACS Sensors, 2019, 4, 2819-2824.	4.0	31
67	Precision pH Sensor Based on WO₃ Nanofiber-Polymer Composites and Differential Amplification. ACS Sensors, 2019, 4, 2593-2598.	4.0	30
68	Recent progress and perspectives of gas sensors based on vertically oriented ZnO nanomaterials. Advances in Colloid and Interface Science, 2019, 270, 1-27.	7.0	141
69	Rapid Detection of Salmonella enterica via Directional Emission from Carbohydrate-Functionalized Dynamic Double Emulsions. ACS Central Science, 2019, 5, 789-795.	5.3	48
70	Waveguide-based chemo- and biosensors: complex emulsions for the detection of caffeine and proteins. Lab on A Chip, 2019, 19, 1327-1331.	3.1	34
71	Polymers with Side Chain Porosity for Ultrapermeable and Plasticization Resistant Materials for Gas Separations. Advanced Materials, 2019, 31, e1807871.	11.1	64
72	Janus Graphene: Scalable Selfâ€Assembly and Solutionâ€Phase Orthogonal Functionalization. Advanced Materials, 2019, 31, e1900438.	11.1	42

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73	Triptycene-Based Ladder Polymers with One-Handed Helical Geometry. Journal of the American Chemical Society, 2019, 141, 4696-4703.	6.6	84
74	Morphology-Dependent Luminescence in Complex Liquid Colloids. Journal of the American Chemical Society, 2019, 141, 3802-3806.	6.6	24
75	Carbon Nanotube Chemical Sensors. Chemical Reviews, 2019, 119, 599-663.	23.0	732
76	Introduction: Chemical Sensors. Chemical Reviews, 2019, 119, 1-2.	23.0	36
77	Emulsion Agglutination Assay for the Detection of Proteinâ€“Protein Interactions: An Optical Sensor for Zika Virus. ACS Sensors, 2019, 4, 180-184.	4.0	36
78	Synthesis and Optoelectronic Properties of Iptyceneâ€“Naphthazarin Dyes. Synlett, 2019, 30, 54-58.	1.0	2
79	Sensor Technologies Empowered by Materials and Molecular Innovations. Angewandte Chemie - International Edition, 2018, 57, 4248-4257.	7.2	70
80	Circularly Polarized Luminescent Triptycene-Based Polymers. ACS Macro Letters, 2018, 7, 364-369.	2.3	54
81	Interfacial bioconjugation on emulsion droplet for biosensors. Bioorganic and Medicinal Chemistry, 2018, 26, 5307-5313.	1.4	9
82	Polymer Valence Isomerism: Poly(Dewar-o-xylylene)s. Journal of the American Chemical Society, 2018, 140, 5211-5216.	6.6	8
83	Chemiresistive Graphene Sensors for Ammonia Detection. ACS Applied Materials & Interfaces, 2018, 10, 16169-16176.	4.0	100
84	Carbon Nanotube Formic Acid Sensors Using a Nickel Bis(ortho-diiminosemiquinonate) Selector. ACS Sensors, 2018, 3, 569-573.	4.0	35
85	Molecular Design of Deep Blue Thermally Activated Delayed Fluorescence Materials Employing a Homoconjugative Triptycene Scaffold and Dihedral Angle Tuning. Chemistry of Materials, 2018, 30, 1462-1466.	3.2	71
86	Room temperature amine sensors enabled by sidewall functionalization of single-walled carbon nanotubes. RSC Advances, 2018, 8, 5578-5585.	1.7	30
87	Porous Organic Polymers via Ring Opening Metathesis Polymerization. ACS Macro Letters, 2018, 7, 300-304.	2.3	32
88	Modular synthesis of polymers containing 2,5â€di(thiophenyl)â€Nâ€arylpyrrole. Journal of Polymer Science Part A, 2018, 56, 1133-1139.	2.5	2
89	Resistive and Capacitive Î³-Ray Dosimeters Based On Triggered Depolymerization in Carbon Nanotube Composites. ACS Sensors, 2018, 3, 976-983.	4.0	17
90	Hyperstage Graphite: Electrochemical Synthesis and Spontaneous Reactive Exfoliation. Advanced Materials, 2018, 30, 1704538.	11.1	38

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91	Free volume enhanced proton exchange membranes from sulfonated triptycene poly(ether ketone). Journal of Membrane Science, 2018, 549, 236-243.	4.1	37
92	Extended Ï€-Conjugated Structures via Dehydrative Câ€“C Coupling. Journal of the American Chemical Society, 2018, 140, 17962-17967.	6.6	12
93	Switchable Single-Walled Carbon Nanotubeâ€“Polymer Composites for CO₂ Sensing. ACS Applied Materials & Interfaces, 2018, 10, 33373-33379.	4.0	35
94	Conformation of bis-nitroxide polarizing agents by multi-frequency EPR spectroscopy. Physical Chemistry Chemical Physics, 2018, 20, 25506-25517.	1.3	27
95	Polyaniline Nanofiber Electrodes for Reversible Capture and Release of Mercury(II) from Water. Journal of the American Chemical Society, 2018, 140, 14413-14420.	6.6	87
96	Ionic Liquid-Carbon Nanotube Sensor Arrays for Human Breath Related Volatile Organic Compounds. ACS Sensors, 2018, 3, 2432-2437.	4.0	63
97	Dynamic self-correcting nucleophilic aromatic substitution. Nature Chemistry, 2018, 10, 1023-1030.	6.6	83
98	Insights into Magneto-Optics of Helical Conjugated Polymers. Journal of the American Chemical Society, 2018, 140, 6501-6508.	6.6	76
99	Fluorofluorescent Perylene Bisimides. Synlett, 2018, 29, 2509-2514.	1.0	18
100	Translating Catalysis to Chemiresistive Sensing. Journal of the American Chemical Society, 2018, 140, 10721-10725.	6.6	14
101	Sensortechnologien durch neuartige Materialien und MolekÃ¼le. Angewandte Chemie, 2018, 130, 4325-4335.	1.6	13
102	A Semiconducting Conjugated Radical Polymer: Ambipolar Redox Activity and Faraday Effect. Journal of the American Chemical Society, 2018, 140, 10881-10889.	6.6	41
103	Optically active distorted cyclic triptycenes: chiral stationary phases for HPLC. RSC Advances, 2018, 8, 20483-20487.	1.7	13
104	Impedance for Endocrine Disruption Compounds. ACS Central Science, 2017, 3, 99-100.	5.3	0
105	Interfacial Pressure/Area Sensing: Dual-Fluorescence of Amphiphilic Conjugated Polymers at Water Interfaces. ACS Macro Letters, 2017, 6, 134-138.	2.3	10
106	Interfacial Polymerization on Dynamic Complex Colloids: Creating Stabilized Janus Droplets. ACS Applied Materials & Interfaces, 2017, 9, 7804-7811.	4.0	14
107	Reconfigurable and responsive droplet-based compound micro-lenses. Nature Communications, 2017, 8, 14673.	5.8	119
108	Frequencyâ€Swept Integrated Solid Effect. Angewandte Chemie - International Edition, 2017, 56, 6744-6748.	7.2	45

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109	Domino Direct Arylation and Cross-Aldol for Rapid Construction of Extended Polycyclic Ï€-Scaffolds. Journal of the American Chemical Society, 2017, 139, 8788-8791.	6.6	54
110	Frequencyâ€Swept Integrated Solid Effect. Angewandte Chemie, 2017, 129, 6848-6852.	1.6	4
111	50th Anniversary Perspective: Conducting/Semiconducting Conjugated Polymers. A Personal Perspective on the Past and the Future. Macromolecules, 2017, 50, 4867-4886.	2.2	277
112	Janus Emulsions for the Detection of Bacteria. ACS Central Science, 2017, 3, 309-313.	5.3	71
113	Chemical warfare simulantâ€responsive polymer nanocomposites: Synthesis and evaluation. Journal of Polymer Science Part A, 2017, 55, 3034-3040.	2.5	7
114	Thermally Activated Delayed Fluorescence and Aggregation Induced Emission with Through-Space Charge Transfer. Journal of the American Chemical Society, 2017, 139, 4894-4900.	6.6	417
115	Optical visualization and quantification of enzyme activity using dynamic droplet lenses. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3821-3825.	3.3	48
116	Bioâ€Inspired Carbon Monoxide Sensors with Voltageâ€Activated Sensitivity. Angewandte Chemie, 2017, 129, 14254-14258.	1.6	14
117	Bioâ€Inspired Carbon Monoxide Sensors with Voltageâ€Activated Sensitivity. Angewandte Chemie - International Edition, 2017, 56, 14066-14070.	7.2	27
118	Metallic versus Semiconducting SWCNT Chemiresistors: A Case for Separated SWCNTs Wrapped by a Metallosupramolecular Polymer. ACS Applied Materials & Interfaces, 2017, 9, 38062-38067.	4.0	39
119	Shorter Exciton Lifetimes via an External Heavyâ€Atom Effect: Alleviating the Effects of Bimolecular Processes in Organic Lightâ€Emitting Diodes. Advanced Materials, 2017, 29, 1701987.	11.1	90
120	Chiral triptycene-pyrene Ï€-conjugated chromophores with circularly polarized luminescence. Organic and Biomolecular Chemistry, 2017, 15, 8440-8447.	1.5	35
121	Iptycene-Containing Azaacenes with Tunable Luminescence. Synlett, 2017, 28, 2783-2789.	1.0	6
122	Donorâ€“Acceptor Iptycenes with Thermally Activated Delayed Fluorescence. European Journal of Organic Chemistry, 2017, 2017, 4846-4851.	1.2	13
123	Quaternized Polymerâ€“Single-Walled Carbon Nanotube Scaffolds for a Chemiresistive Glucose Sensor. ACS Sensors, 2017, 2, 1123-1127.	4.0	32
124	Distinct Interfacial Fluorescence in Oilâ€inâ€Water Emulsions via Exciton Migration of Conjugated Polymers. Macromolecular Rapid Communications, 2017, 38, 1700262.	2.0	1
125	Anion Exchange Membranes: Enhancement by Addition of Unfunctionalized Triptycene Poly(Ether) Tj ETQq1 1 0.784314 rgBT /Overlo	4.0	60
126	Wireless Oxygen Sensors Enabled by Fe(II)-Polymer Wrapped Carbon Nanotubes. ACS Sensors, 2017, 2, 1044-1050.	4.0	69

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127	Naphthazarin-Polycyclic Conjugated Hydrocarbons and Iptycenes. Journal of Organic Chemistry, 2017, 82, 7470-7480.	1.7	10
128	Differentially Substituted Phenylene-Containing Oligoacene Derivatives. Synlett, 2017, 28, 323-326.	1.0	8
129	Towards low-stiction nanoelectromechanical switches using self-assembled molecules. , 2017, , .		0
130	Chemiresistor Devices for Chemical Warfare Agent Detection Based on Polymer Wrapped Single-Walled Carbon Nanotubes. Sensors, 2017, 17, 982.	2.1	53
131	Integrated Gas Sensing System of SWCNT and Cellulose Polymer Concentrator for Benzene, Toluene, and Xylenes. Sensors, 2016, 16, 183.	2.1	31
132	Covalent Functionalization of Carbon Nanomaterials with Iodonium Salts. Chemistry of Materials, 2016, 28, 8542-8549.	3.2	60
133	Redox Switchable Thianthrene Cavitands. Synthesis, 2016, 49, 358-364.	1.2	3
134	Smectic A mesophases from luminescent sandic platinum(II) mesogens. Liquid Crystals, 2016, 43, 1709-1713.	0.9	10
135	Triptycene-Roofed Quinoxaline Cavitands for the Supramolecular Detection of BTEX in Air. Chemistry - A European Journal, 2016, 22, 3189-3189.	1.7	0
136	Red Phosphorescence from Benzo[2,1,3]thiadiazoles at Room Temperature. Journal of Organic Chemistry, 2016, 81, 4789-4796.	1.7	43
137	An Organocobaltâ€“Carbon Nanotube Chemiresistive Carbon Monoxide Detector. ACS Sensors, 2016, 1, 354-357.	4.0	53
138	Threading the Needle: Fluorescent Poly-pseudo-rotaxanes for Size-Exclusion Sensing. Chemistry of Materials, 2016, 28, 2685-2691.	3.2	20
139	Surface-Anchored Poly(4-vinylpyridine)â€“Single-Walled Carbon Nanotubeâ€“Metal Composites for Gas Detection. Chemistry of Materials, 2016, 28, 5916-5924.	3.2	54
140	Wireless Hazard Badges to Detect Nerveâ€Agent Simulants. Angewandte Chemie, 2016, 128, 9814-9818.	1.6	8
141	Highly Emissive Excimers by 2D Compression of Conjugated Polymers. ACS Macro Letters, 2016, 5, 889-893.	2.3	10
142	Wireless Hazard Badges to Detect Nerveâ€Agent Simulants. Angewandte Chemie - International Edition, 2016, 55, 9662-9666.	7.2	68
143	Mechanochemical Synthesis of Extended Iptycenes. Journal of the American Chemical Society, 2016, 138, 13834-13837.	6.6	68
144	A Low Reabsorbing Luminescent Solar Concentrator Employing Ï€â€Conjugated Polymers. Advanced Materials, 2016, 28, 497-501.	11.1	69

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145	NanodrÃhte in Chemoâ€•und Biosensoren: aktueller Stand und Fahrplan fÃ¼r die Zukunft. Angewandte Chemie, 2016, 128, 1286-1302.	1.6	10
146	Nanowire Chemical/Biological Sensors: Status and a Roadmap for the Future. Angewandte Chemie - International Edition, 2016, 55, 1266-1281.	7.2	237
147	Triptyceneâ€Roofed Quinoxaline Cavitands for the Supramolecular Detection of BTEX in Air. Chemistry - A European Journal, 2016, 22, 3312-3319.	1.7	42
148	Readily accessible multifunctional fluorous emulsions. Chemical Science, 2016, 7, 5091-5097.	3.7	15
149	Ultratrace Detection of Toxic Chemicals: Triggered Disassembly of Supramolecular Nanotube Wrappers. Journal of the American Chemical Society, 2016, 138, 8221-8227.	6.6	64
150	Simultaneous Identification of Neutral and Anionic Species in Complex Mixtures without Separation. Angewandte Chemie, 2016, 128, 929-933.	1.6	12
151	Simultaneous Identification of Neutral and Anionic Species in Complex Mixtures without Separation. Angewandte Chemie - International Edition, 2016, 55, 917-921.	7.2	47
152	Long-Term High-Temperature Stability of Functionalized Graphene Oxide Nanoplatelets in Arab-D and API Brine. ACS Applied Materials & Interfaces, 2016, 8, 1780-1785.	4.0	33
153	V OC enhancement in polymer solar cells with isobenzofulveneâ€“C 60 adducts. Organic Electronics, 2016, 31, 48-55.	1.4	9
154	Transition Metal-Oxide Free Perovskite Solar Cells Enabled by a New Organic Charge Transport Layer. ACS Applied Materials & Interfaces, 2016, 8, 8511-8519.	4.0	18
155	Employing Halogen Bonding Interactions in Chemiresistive Gas Sensors. ACS Sensors, 2016, 1, 115-119.	4.0	42
156	Functionalized Metalated Cavitands via Imidation and Lateâ€Stage Elaboration. European Journal of Organic Chemistry, 2015, 2015, 4593-4597.	1.2	3
157	Tunneling nanoelectromechanical switches. , 2015, , .		0
158	Colorimetric Stimuli-Responsive Hydrogel Polymers for the Detection of Nerve Agent Surrogates. Macromolecules, 2015, 48, 7990-7994.	2.2	66
159	Electromechanically actuating molecules. , 2015, , .		0
160	Cu₃(hexaiminotriphenylene)₂: An Electrically Conductive 2D Metalâ€“Organic Framework for Chemiresistive Sensing. Angewandte Chemie - International Edition, 2015, 54, 4349-4352.	7.2	765
161	Functionalized Poly(3-hexylthiophene)s via Lithiumâ€“Bromine Exchange. Macromolecules, 2015, 48, 229-235.	2.2	25
162	Thiophene-Fused Tropones as Chemical Warfare Agent-Responsive Building Blocks. ACS Macro Letters, 2015, 4, 138-142.	2.3	49

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163	Dynamically reconfigurable complex emulsions via tunable interfacial tensions. Nature, 2015, 518, 520-524.	13.7	325
164	Simultaneous Chirality Sensing of Multiple Amines by ¹⁹F NMR. Journal of the American Chemical Society, 2015, 137, 3221-3224.	6.6	129
165	Singleâ€Walled Carbon Nanotube/Metalloporphyrin Composites for the Chemiresistive Detection of Amines and Meat Spoilage. Angewandte Chemie - International Edition, 2015, 54, 6554-6557.	7.2	159
166	Single-Walled Carbon Nanotubeâ€“Metalloporphyrin Chemiresistive Gas Sensor Arrays for Volatile Organic Compounds. Chemistry of Materials, 2015, 27, 3560-3563.	3.2	130
167	MWCNT/perylene bisimide water dispersions for miniaturized temperature sensors. RSC Advances, 2015, 5, 65023-65029.	1.7	13
168	Chemiresistive Sensor Arrays from Conductive 2D Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2015, 137, 13780-13783.	6.6	615
169	Tunneling Nanoelectromechanical Switches Based on Compressible Molecular Thin Films. ACS Nano, 2015, 9, 7886-7894.	7.3	22
170	Thermally Activated Delayed Fluorescence Materials Based on Homoconjugation Effect of Donorâ€“Acceptor Triptycenes. Journal of the American Chemical Society, 2015, 137, 11908-11911.	6.6	331
171	Synthesis of Miktoarm Branched Conjugated Copolymers by ROMPing In and Out. ACS Macro Letters, 2015, 4, 1229-1233.	2.3	29
172	Study of Two Papyrus Fragments with Fourier Transform Infrared Microspectroscopy. Harvard Theological Review, 2014, 107, 165-165.	0.4	8
173	Fluorescence Sensing of Amine Vapors Using a Cationic Conjugated Polymer Combined with Various Anions. Angewandte Chemie - International Edition, 2014, 53, 9792-9796.	7.2	96
174	Wireless gas detection with a smartphone via rf communication. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 18162-18166.	3.3	185
175	Antiaromaticity in Nonbenzenoid Oligoarenes and Ladder Polymers. Topics in Current Chemistry, 2014, 350, 141-175.	4.0	11
176	Sprayâ€Layerâ€byâ€Layer Carbon Nanotube/Electrospun Fiber Electrodes for Flexible Chemiresistive Sensor Applications. Advanced Functional Materials, 2014, 24, 492-502.	7.8	148
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