

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

134 papers	9,130 citations	47 h-index	94 g-index
137 ext. papers	10,128 ext. citations	7.9 avg, IF	6.28 L-index

#	Paper	IF	Citations
134	The use of elemental sulfur as an alternative feedstock for polymeric materials. <i>Nature Chemistry</i> , <b>2013</b> , 5, 518-24	17.6	748
133	Synthesis of Nanocomposite Organic/Inorganic Hybrid Materials Using Controlled/Living Radical Polymerization. <i>Chemistry of Materials</i> , <b>2001</b> , 13, 3436-3448	9.6	631
132	Synthesis of Polymer Brushes Using Atom Transfer Radical Polymerization. <i>Macromolecular Rapid Communications</i> , <b>2003</b> , 24, 1043-1059	4.8	622
131	Synthesis and Characterization of Star Polymers with Varying Arm Number, Length, and Composition from Organic and Hybrid Inorganic/Organic Multifunctional Initiators. <i>Macromolecules</i> , <b>1999</b> , 32, 6526-6535	5.5	355
130	Graphene oxide as catalyst: application of carbon materials beyond nanotechnology. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 46-8	16.4	336
129	Synthesis and Characterization of Organic/Inorganic Hybrid Nanoparticles: Kinetics of Surface-Initiated Atom Transfer Radical Polymerization and Morphology of Hybrid Nanoparticle Ultrathin Films. <i>Macromolecules</i> , <b>2003</b> , 36, 5094-5104	5.5	297
128	Polymerizations with elemental sulfur: A novel route to high sulfur content polymers for sustainability, energy and defense. <i>Progress in Polymer Science</i> , <b>2016</b> , 58, 90-125	29.6	224
127	Inverse Vulcanization of Elemental Sulfur to Prepare Polymeric Electrode Materials for Li-S Batteries.. <i>ACS Macro Letters</i> , <b>2014</b> , 3, 229-232	6.6	217
126	New infrared transmitting material via inverse vulcanization of elemental sulfur to prepare high refractive index polymers. <i>Advanced Materials</i> , <b>2014</b> , 26, 3014-8	24	215
125	Polymer-coated ferromagnetic colloids from well-defined macromolecular surfactants and assembly into nanoparticle chains. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 6562-3	16.4	200
124	The Synthesis of Hybrid Polymers Using Atom Transfer Radical Polymerization: Homopolymers and Block Copolymers from Polyhedral Oligomeric Silsesquioxane Monomers. <i>Macromolecules</i> , <b>2000</b> , 33, 217-220	5.5	194
123	ABA triblock copolymers containing polyhedral oligomeric silsesquioxane pendant groups: synthesis and unique properties. <i>Polymer</i> , <b>2003</b> , 44, 2739-2750	3.9	193
122	Recent approaches for the direct use of elemental sulfur in the synthesis and processing of advanced materials. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 3249-58	16.4	173
121	Synthesis of well-defined block copolymers tethered to polysilsesquioxane nanoparticles and their nanoscale morphology on surfaces. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 9445-6	16.4	159
120	Colloidal polymerization of polymer-coated ferromagnetic nanoparticles into cobalt oxide nanowires. <i>ACS Nano</i> , <b>2009</b> , 3, 3143-57	16.7	152
119	Synthesis and self-assembly of polymer-coated ferromagnetic nanoparticles. <i>ACS Nano</i> , <b>2007</b> , 1, 279-92	16.7	149
118	Nanocomposite Materials from Functional Polymers and Magnetic Colloids. <i>Polymer Reviews</i> , <b>2007</b> , 47, 231-263	14	147

117	Synthesis and characterization of silica-graft-polystyrene hybrid nanoparticles: Effect of constraint on the glass-transition temperature of spherical polymer brushes. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2002</b> , 40, 2667-2676	2.6	138
116	Dynamic Covalent Polymers via Inverse Vulcanization of Elemental Sulfur for Healable Infrared Optical Materials. <i>ACS Macro Letters</i> , <b>2015</b> , 4, 862-866	6.6	130
115	Synthesis of Block, Statistical, and Gradient Copolymers from Octadecyl (Meth)acrylates Using Atom Transfer Radical Polymerization. <i>Macromolecules</i> , <b>2003</b> , 36, 8969-8977	5.5	128
114	Inverse vulcanization of elemental sulfur with 1,4-diphenylbutadiyne for cathode materials in LiS batteries. <i>RSC Advances</i> , <b>2015</b> , 5, 24718-24722	3.7	114
113	High Refractive Index Copolymers with Improved Thermomechanical Properties via the Inverse Vulcanization of Sulfur and 1,3,5-Triisopropenylbenzene. <i>ACS Macro Letters</i> , <b>2016</b> , 5, 1152-1156	6.6	107
112	Preparation of hyperbranched polyacrylates by atom transfer radical polymerization, 4. The use of zero-valent copper. <i>Macromolecular Rapid Communications</i> , <b>1998</b> , 19, 665-670	4.8	105
111	Synthesis and colloidal polymerization of ferromagnetic Au-Co nanoparticles into Au-Co <sub>3</sub> O <sub>4</sub> nanowires. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 3234-5	16.4	104
110	Functionalization of polymers prepared by ATRP using radical addition reactions. <i>Macromolecular Rapid Communications</i> , <b>2000</b> , 21, 103-109	4.8	103
109	Recent advances in the polymerization of elemental sulphur, inverse vulcanization and methods to obtain functional Chalcogenide Hybrid Inorganic/Organic Polymers (CHIPs). <i>Polymer Chemistry</i> , <b>2019</b> , 10, 4078-4105	4.9	102
108	Inverse vulcanization of elemental sulfur and styrene for polymeric cathodes in Li-S batteries. <i>Journal of Polymer Science Part A</i> , <b>2017</b> , 55, 107-116	2.5	101
107	Kilogram scale inverse vulcanization of elemental sulfur to prepare high capacity polymer electrodes for Li-S batteries. <i>Journal of Polymer Science Part A</i> , <b>2015</b> , 53, 173-177	2.5	100
106	The use of polymers in Li-S batteries: A review. <i>Journal of Polymer Science Part A</i> , <b>2017</b> , 55, 1635-1668	2.5	96
105	Preparation of Dynamic Covalent Polymers via Inverse Vulcanization of Elemental Sulfur. <i>ACS Macro Letters</i> , <b>2014</b> , 3, 1258-1261	6.6	94
104	Elemental Sulfur and Molybdenum Disulfide Composites for Li-S Batteries with Long Cycle Life and High-Rate Capability. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 13437-48	9.5	92
103	Mechanically reinforced silica aerogel nanocomposites via surface initiated atom transfer radical polymerizations. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 6863		85
102	Lanthanide(III)-doped magnetite nanoparticles. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 6336-6344	6.4	84
101	Chalcogenide Hybrid Inorganic/Organic Polymers: Ultrahigh Refractive Index Polymers for Infrared Imaging. <i>ACS Macro Letters</i> , <b>2017</b> , 6, 500-504	6.6	83
100	Graphene quantum dots: structural integrity and oxygen functional groups for high sulfur/sulfide utilization in lithium sulfur batteries. <i>NPG Asia Materials</i> , <b>2016</b> , 8, e272-e272	10.3	78

99	Universal Length Dependence of Rod-to-Seed Exciton Localization Efficiency in Type I and Quasi-Type II CdSe@CdS Nanorods. <i>ACS Nano</i> , <b>2015</b> , 9, 4591-9	16.7	76
98	The Importance of Confined Sulfur Nanodomains and Adjoining Electron Conductive Pathways in Subreaction Regimes of Li-S Batteries. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1700074	21.8	75
97	The dramatic effect of architecture on the self-assembly of block copolymers at interfaces. <i>Langmuir</i> , <b>2005</b> , 21, 10444-58	4	75
96	Synthesis and Direct Visualization of Block Copolymers Composed of Different Macromolecular Architectures. <i>Macromolecules</i> , <b>2005</b> , 38, 2674-2685	5.5	72
95	Field induced formation of mesoscopic polymer chains from functional ferromagnetic colloids. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 6291-7	16.4	70
94	Magnetic assembly and pyrolysis of functional ferromagnetic colloids into one-dimensional carbon nanostructures. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 8694-5	16.4	67
93	One-pot synthesis of PbS NP/sulfur-oleylamine copolymer nanocomposites via the copolymerization of elemental sulfur with oleylamine. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 3617	4.9	64
92	Ferrocene functional polymer brushes on indium tin oxide via surface-initiated atom transfer radical polymerization. <i>Langmuir</i> , <b>2010</b> , 26, 2083-92	4	64
91	Elemental sulfur as a reactive medium for gold nanoparticles and nanocomposite materials. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 11409-12	16.4	61
90	Colloidal polymers from inorganic nanoparticle monomers. <i>Progress in Polymer Science</i> , <b>2015</b> , 40, 85-120	29.6	58
89	Directing the deposition of ferromagnetic cobalt onto Pt-tipped CdSe@CdS nanorods: synthetic and mechanistic insights. <i>ACS Nano</i> , <b>2012</b> , 6, 8632-45	16.7	57
88	Improving the Charge Conductance of Elemental Sulfur via Tandem Inverse Vulcanization and Electropolymerization. <i>ACS Macro Letters</i> , <b>2015</b> , 4, 111-114	6.6	54
87	Chalcogenide hybrid inorganic/organic polymers (CHIPs) via inverse vulcanization and dynamic covalent polymerizations. <i>Polymer Chemistry</i> , <b>2017</b> , 8, 5167-5173	4.9	44
86	Colloidal Polymerization of Polymer-Coated Ferromagnetic Cobalt Nanoparticles into Pt-Co <sub>3</sub> O <sub>4</sub> Nanowires. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 1120-1129	9.6	44
85	Self-assembly of polymer-coated ferromagnetic nanoparticles into mesoscopic polymer chains. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2008</b> , 46, 2267-2277	2.6	44
84	Poly(3,4-ethylenedioxythiophene)-semiconductor nanoparticle composite thin films tethered to indium tin oxide substrates via electropolymerization. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 11310-1	16.4	43
83	One Dimensional Photonic Crystals Using Ultrahigh Refractive Index Chalcogenide Hybrid Inorganic/Organic Polymers. <i>ACS Macro Letters</i> , <b>2018</b> , 7, 875-880	6.6	43
82	Dipolar organization and magnetic actuation of flagella-like nanoparticle assemblies. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 7314		42

81	Colloidal polymers via dipolar assembly of magnetic nanoparticle monomers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 6022-32	9.5	41
80	Functionalization and patterning of reactive polymer brushes based on surface reversible addition and fragmentation chain transfer polymerization. <i>Journal of Polymer Science Part A</i> , <b>2012</b> , 50, 4010-4018	2.5	39
79	Single chain polymer nanoparticles via sequential ATRP and oxidative polymerization. <i>Polymer Chemistry</i> , <b>2013</b> , 4, 3765	4.9	38
78	100th Anniversary of Macromolecular Science Viewpoint: High Refractive Index Polymers from Elemental Sulfur for Infrared Thermal Imaging and Optics. <i>ACS Macro Letters</i> , <b>2020</b> , 9, 245-259	6.6	38
77	Synthesis of a Macroporous Conjugated Polymer Framework: Iron Doping for Highly Stable, Highly Efficient Lithium-Sulfur Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 3087-3097	9.5	37
76	Functionalized chalcogenide hybrid inorganic/organic polymers (CHIPs) via inverse vulcanization of elemental sulfur and vinylanilines. <i>Polymer Chemistry</i> , <b>2018</b> , 9, 2290-2294	4.9	36
75	Catalytic Metallopolymers from [2Fe-2S] Clusters: Artificial Metalloenzymes for Hydrogen Production. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 7537-7550	16.4	36
74	[FeFe]-Hydrogenase Mimetic Metallopolymers with Enhanced Catalytic Activity for Hydrogen Production in Water. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 11898-11902	16.4	35
73	Photoelectrochemical processes in polymer-tethered CdSe nanocrystals. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 2622-32	16.4	35
72	Dipolar assembly of ferromagnetic nanoparticles into magnetically driven artificial cilia. <i>Soft Matter</i> , <b>2010</b> , 6, 602-609	3.6	34
71	Nucleophilic Activation of Elemental Sulfur for Inverse Vulcanization and Dynamic Covalent Polymerizations. <i>Journal of Polymer Science Part A</i> , <b>2019</b> , 57, 7-12	2.5	34
70	Colloidal polymers from dipolar assembly of cobalt-tipped CdSe@CdS nanorods. <i>ACS Nano</i> , <b>2014</b> , 8, 3272-3284	16.4	32
69	Macromolecules of controlled architecture. <i>Journal of Materials Chemistry</i> , <b>2003</b> , 13, 2653-2660		32
68	Graphenoxid als Katalysator: Kohlenstoffmaterialien in Anwendungen jenseits der Nanotechnologie. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 46-48	3.6	31
67	One-step vapor-phase synthesis of transparent high refractive index sulfur-containing polymers. <i>Science Advances</i> , <b>2020</b> , 6, eabb5320	14.3	30
66	Infrared Fingerprint Engineering: A Molecular-Design Approach to Long-Wave Infrared Transparency with Polymeric Materials. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 17656-17660	16.4	28
65	Conformal Polymeric Multilayer Coatings on Sulfur Cathodes via the Layer-by-Layer Deposition for High Capacity Retention in LiS Batteries. <i>ACS Macro Letters</i> , <b>2016</b> , 5, 471-475	6.6	27
64	Synthesis, self-assembly and reversible healing of supramolecular perfluoropolyethers. <i>Journal of Polymer Science Part A</i> , <b>2013</b> , 51, 3598-3606	2.5	27

63	Neue Ansätze zur direkten Verwendung elementaren Schwefels in der Synthese und Verarbeitung moderner Werkstoffe. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 3298-3308	3.6	27
62	Magnetic self-assembly of gold nanoparticle chains using dipolar core-shell colloids. <i>Chemical Communications</i> , <b>2011</b> , 47, 890-2	5.8	26
61	Synthesis and Surface Attachment of ABC Triblock Copolymers Containing Glassy and Rubbery Segments. <i>Macromolecular Chemistry and Physics</i> , <b>2004</b> , 205, 411-417	2.6	26
60	Synthesis of ferromagnetic polymer coated nanoparticles on multi-gram scale with tunable particle size. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 6023		25
59	High sulfur content polymer nanoparticles obtained from interfacial polymerization of sodium polysulfide and 1,2,3-trichloropropane in water. <i>Macromolecular Rapid Communications</i> , <b>2015</b> , 36, 1103-7	4.8	20
58	Band Edge Energetics of Heterostructured Nanorods: Photoemission Spectroscopy and Waveguide Spectroelectrochemistry of Au-Tipped CdSe Nanorod Monolayers. <i>ACS Nano</i> , <b>2015</b> , 9, 8786-800	16.7	20
57	A one-pot synthesis of polysulfane-bearing block copolymer nanoparticles with tunable size and refractive index. <i>Chemical Communications</i> , <b>2016</b> , 52, 2485-8	5.8	20
56	Structural origins of enhanced capacity retention in novel copolymerized sulfur-based composite cathodes for high-energy density Li-S batteries. <i>MRS Communications</i> , <b>2015</b> , 5, 353-364	2.7	20
55	Self-assembly and colloidal polymerization of polymer-nanoparticle hybrids into mesoscopic chains. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 12408-9	16.4	20
54	Evaluating the Effect of Termination by Chain - Chain Coupling in Living Free-Radical Polymerizations. <i>Australian Journal of Chemistry</i> , <b>2003</b> , 56, 775	1.2	20
53	Rational design of sulfur-containing composites for high-performance lithium-sulfur batteries. <i>APL Materials</i> , <b>2019</b> , 7, 020904	5.7	20
52	Controlling length and areal density of artificial cilia through the dipolar assembly of ferromagnetic nanoparticles. <i>Soft Matter</i> , <b>2012</b> , 8, 5334	3.6	19
51	Efficient CdSe nanocrystal diffraction gratings prepared by microcontact molding. <i>ACS Nano</i> , <b>2009</b> , 3, 3629-37	16.7	19
50	Sulfur Polymers Meet Poly(ionic liquid)s: Bringing New Properties to Both Polymer Families. <i>Macromolecular Rapid Communications</i> , <b>2018</b> , 39, e1800529	4.8	19
49	Polymer-stabilized phospholipid vesicles with a controllable, pH-dependent disassembly mechanism. <i>Langmuir</i> , <b>2009</b> , 25, 1908-10	4	18
48	Facile Assembly of Aligned Magnetic Nanoparticle Chains in Polymer Nanocomposite Films by Magnetic Flow Coating. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 11290-11298	9.5	17
47	Synthesis and Assembly of Dipolar Heterostructured Tetrapods: Colloidal Polymers with "Giant tert-butyl" Groups. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 1787-91	16.4	17
46	Macromolecular Engineering of the Outer Coordination Sphere of [2Fe-2S] Metallopolymers to Enhance Catalytic Activity for H <sub>2</sub> Production. <i>ACS Macro Letters</i> , <b>2018</b> , 7, 1383-1387	6.6	17



45	Uniform decoration of Pt nanoparticles on well-defined CdSe tetrapods and the effect of their Pt cluster size on photocatalytic H <sub>2</sub> generation. <i>CrystEngComm</i> , <b>2015</b> , 17, 8423-8427	3.3	16
44	Morphological conversion of dipolar core-shell Au@TiO <sub>2</sub> nanoparticles into beaded Au@TiO <sub>2</sub> nanowires. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 14163		14
43	Synthesis of ferromagnetic cobalt nanoparticle tipped CdSe@CdS nanorods: critical role of Pt-activation. <i>CrystEngComm</i> , <b>2014</b> , 16, 9461-9468	3.3	12
42	Polymerizations with Elemental Sulfur: From Petroleum Refining to Polymeric Materials.. <i>Journal of the American Chemical Society</i> , <b>2021</b> ,	16.4	12
41	Type I vs. quasi-type II modulation in CdSe@CdS tetrapods: ramifications for noble metal tipping. <i>CrystEngComm</i> , <b>2017</b> , 19, 6443-6453	3.3	11
40	Refractive Index Contrast Polymers: Photoresponsive Systems with Spatial Modulation of Refractive Index for Photonics. <i>ACS Macro Letters</i> , <b>2020</b> , 9, 416-421	6.6	11
39	Catalytic Metallopolymers from [2Fe-2S] Clusters: Artificial Metalloenzymes for Hydrogen Production. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 7617-7630	3.6	11
38	Analytical Multimode Scanning and Transmission Electron Imaging and Tomography of Multiscale Structural Architectures of Sulfur Copolymer-Based Composite Cathodes for Next-Generation High-Energy Density Li-S Batteries. <i>Microscopy and Microanalysis</i> , <b>2016</b> , 22, 1198-1221	0.5	10
37	Polymer and magnetic nanoparticle composites with tunable magneto-optical activity: role of nanoparticle dispersion for high verdet constant materials. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 5417-5425	7.1	9
36	Colloidal Random Terpolymers: Controlling Reactivity Ratios of Colloidal Comonomers via Metal Tipping. <i>ACS Macro Letters</i> , <b>2016</b> , 5, 950-954	6.6	9
35	[FeFe]-Hydrogenase Mimetic Metallopolymers with Enhanced Catalytic Activity for Hydrogen Production in Water. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 12074-12078	3.6	9
34	Elemental Sulfur as a Reactive Medium for Gold Nanoparticles and Nanocomposite Materials. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 11611-11614	3.6	9
33	Segmented Polyurethanes and Thermoplastic Elastomers from Elemental Sulfur with Enhanced Thermomechanical Properties and Flame Retardancy. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 22900-22907	16.4	9
32	Infrared Fingerprint Engineering: A Molecular-Design Approach to Long-Wave Infrared Transparency with Polymeric Materials. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 17820-17824	3.6	8
31	Hybrids by Cluster Complex-Initiated Polymerization. <i>Macromolecules</i> , <b>2012</b> , 45, 2614-2618	5.5	8
30	Multimodal Characterization of the Morphology and Functional Interfaces in Composite Electrodes for Li-S Batteries by Li Ion and Electron Beams. <i>Langmuir</i> , <b>2017</b> , 33, 9361-9377	4	7
29	Nonlinear optical properties of chalcogenide hybrid inorganic/organic polymers (CHIPs) using the Z-scan technique. <i>Optical Materials Express</i> , <b>2018</b> , 8, 2510	2.6	7
28	Increasing the rate of the hydrogen evolution reaction in neutral water with protic buffer electrolytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> ,	11.5	6

27	From waste to valuable plasticsDiscovery of new paradigms from well-studied systems with elemental sulfur. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2017</b> , 192, 157-161	1	5
26	Chalcogenide hybrid inorganic/organic polymer resins: Amine functional prepolymers from elemental sulfur. <i>Journal of Polymer Science</i> , <b>2020</b> , 58, 35-41	2.4	5
25	Polymer-Coated Magnetic Nanoparticles as Ultrahigh Verdet Constant Materials: Correlation of Nanoparticle Size with Magnetic and Magneto-Optical Properties. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 5010-5020	9.6	5
24	Modular synthesis of functional polymer nanoparticles from a versatile platform based on poly(pentafluorophenylmethacrylate). <i>Journal of Polymer Science Part A</i> , <b>2016</b> , 54, 1895-1901	2.5	5
23	Water-soluble and air-stable [2Fe-2S]-metallopolymers: A new class of electrocatalysts for H <sub>2</sub> production via water splitting. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2019</b> , 194, 701-706	1	4
22	Selbstorganisation und kolloidale Polymerisation von Polymer-Nanopartikel-Hybriden zu mesoskopischen Ketten. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 12576-12578	3.6	4
21	Influence of the Processing Environment on the Surface Composition and Electronic Structure of Size-Quantized CdSe Quantum Dots. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 21305-21318	3.8	4
20	Arm length dependency of Pt-decorated CdSe tetrapods on the performance of photocatalytic hydrogen generation. <i>Korean Journal of Chemical Engineering</i> , <b>2016</b> , 33, 2287-2290	2.8	4
19	Synthesis of Metallopolymers via Atom Transfer Radical Polymerization from a [2Fe-2S] Metalloinitiator: Molecular Weight Effects on Electrocatalytic Hydrogen Production. <i>Macromolecular Rapid Communications</i> , <b>2020</b> , 41, e1900424	4.8	4
18	High Verdet Constant Materials for Magneto-Optical Faraday Rotation: A Review. <i>Chemistry of Materials</i> , <b>2022</b> , 34, 2531-2544	9.6	4
17	Optical properties of sulfur copolymers for infrared applications <b>2014</b> ,		3
16	Polyoctadecyl methacrylate brushes via surface-initiated atom transfer radical polymerization. <i>Applied Organometallic Chemistry</i> , <b>2013</b> , 27, 378-682	3.1	3
15	Surface Initiated Atom Transfer Radical Polymerizations from Indium Tin Oxide Electrodes: Electrochemistry of Polymer Brushes. <i>ACS Symposium Series</i> , <b>2012</b> , 197-209	0.4	2
14	Dynamic Covalent Polymerization of Chalcogenide Hybrid Inorganic/Organic Polymer Resins with Norbornenyl Comonomers. <i>Macromolecular Research</i> , <b>2020</b> , 28, 1003-1009	1.9	2
13	Segmented Polyurethanes and Thermoplastic Elastomers from Elemental Sulfur with Enhanced Thermomechanical Properties and Flame Retardancy. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 23082	3.6	2
12	Subsurface Imaging of the Cores of Polymer-Encapsulated Cobalt Nanoparticles Using Force Modulation Microscopy. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 23498-23504	3.8	1
11	Multiscale Structural Architectures of Novel Sulfur Copolymer Composite Cathodes for High-Energy Density Li-S Batteries Studied by Analytical Multimode STEM Imaging and Tomography. <i>Microscopy and Microanalysis</i> , <b>2015</b> , 21, 143-144	0.5	1
10	Titelbild: Elemental Sulfur as a Reactive Medium for Gold Nanoparticles and Nanocomposite Materials (Angew. Chem. 48/2011). <i>Angewandte Chemie</i> , <b>2011</b> , 123, 11459-11459	3.6	1



9	SmartPrint Single-Mode Flexible Polymer Optical Interconnect for High Density Integrated Photonics. <i>Journal of Lightwave Technology</i> , <b>2022</b> , 1-1	4	1
8	Elemental sulfur-molybdenum disulfide composites for high-performance cathodes for LiS batteries: the impact of interfacial structures on electrocatalytic anchoring of polysulfides. <i>MRS Communications</i> , <b>2021</b> , 11, 261-271	2.7	1
7	Rapid Photolithographic Fabrication of High Density Optical Interconnects using Refractive Index Contrast Polymers. <i>Optical Materials Express</i> ,	2.6	1
6	High Refractive Index Chalcogenide Hybrid Inorganic/Organic Polymers for Integrated Photonics. <i>Advanced Optical Materials</i> , 2200176	8.1	1
5	High Sulfur Content Organic/Inorganic Hybrid Polymeric Materials <b>2018</b> , 433-450		0
4	MoS <sub>2</sub> -S <sub>8</sub> Composite Cathodes for Long Cycle Life High Performance Li-S Batteries Studied by FESEM and High-Resolution AEM. <i>Microscopy and Microanalysis</i> , <b>2017</b> , 23, 1972-1973	0.5	
3	Cover Picture: Elemental Sulfur as a Reactive Medium for Gold Nanoparticles and Nanocomposite Materials (Angew. Chem. Int. Ed. 48/2011). <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 11263-11263	16.4	
2	Chalcogenide hybrid inorganic/organic polymer resins: Amine functional prepolymers from elemental sulfur. <i>Journal of Polymer Science</i> , <b>2020</b> , 58, 35-41	2.4	
1	Synthesis and Assembly of Dipolar Heterostructured Tetrapods: Colloidal Polymers with Giant tert-butyl Groups. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 1819-1823	3.6	