

Jeffrey Pyun

List of Publications by Year in descending order

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132
papers

11,293
citations

31976

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137
all docs

137
docs citations

137
times ranked

9979
citing authors

#	ARTICLE	IF	CITATIONS
1	The use of elemental sulfur as an alternative feedstock for polymeric materials. <i>Nature Chemistry</i> , 2013, 5, 518-524.	13.6	1,046
2	Synthesis of Nanocomposite Organic/Inorganic Hybrid Materials Using Controlled/Living Radical Polymerization. <i>Chemistry of Materials</i> , 2001, 13, 3436-3448.	6.7	681
3	Synthesis of Polymer Brushes Using Atom Transfer Radical Polymerization. <i>Macromolecular Rapid Communications</i> , 2003, 24, 1043-1059.	3.9	665
4	Synthesis and Characterization of Star Polymers with Varying Arm Number, Length, and Composition from Organic and Hybrid Inorganic/Organic Multifunctional Initiators. <i>Macromolecules</i> , 1999, 32, 6526-6535.	4.8	380
5	Graphene Oxide as Catalyst: Application of Carbon Materials beyond Nanotechnology. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 46-48.	13.8	363
6	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> , 2003, 36, 5094-5104.	4.8	328
7	Polymerizations with elemental sulfur: A novel route to high sulfur content polymers for sustainability, energy and defense. <i>Progress in Polymer Science</i> , 2016, 58, 90-125.	24.7	321
8	New Infrared Transmitting Material via Inverse Vulcanization of Elemental Sulfur to Prepare High Refractive Index Polymers. <i>Advanced Materials</i> , 2014, 26, 3014-3018.	21.0	296
9	Inverse Vulcanization of Elemental Sulfur to Prepare Polymeric Electrode Materials for Li-S Batteries. <i>ACS Macro Letters</i> , 2014, 3, 229-232.	4.8	279
10	Recent Approaches for the Direct Use of Elemental Sulfur in the Synthesis and Processing of Advanced Materials. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 3249-3258.	13.8	229
11	Polymer-Coated Ferromagnetic Colloids from Well-Defined Macromolecular Surfactants and Assembly into Nanoparticle Chains. <i>Journal of the American Chemical Society</i> , 2006, 128, 6562-6563.	13.7	211
12	The Synthesis of Hybrid Polymers Using Atom Transfer Radical Polymerization: Homopolymers and Block Copolymers from Polyhedral Oligomeric Silsesquioxane Monomers. <i>Macromolecules</i> , 2000, 33, 217-220.	4.8	203
13	ABA triblock copolymers containing polyhedral oligomeric silsesquioxane pendant groups: synthesis and unique properties. <i>Polymer</i> , 2003, 44, 2739-2750.	3.8	200
14	Dynamic Covalent Polymers via Inverse Vulcanization of Elemental Sulfur for Healable Infrared Optical Materials. <i>ACS Macro Letters</i> , 2015, 4, 862-866.	4.8	193
15	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> , 2019, 10, 4078-4105.	3.9	193
16	Synthesis of Well-Defined Block Copolymers Tethered to Polysilsesquioxane Nanoparticles and Their Nanoscale Morphology on Surfaces. <i>Journal of the American Chemical Society</i> , 2001, 123, 9445-9446.	13.7	171
17	Colloidal Polymerization of Polymer-Coated Ferromagnetic Nanoparticles into Cobalt Oxide Nanowires. <i>ACS Nano</i> , 2009, 3, 3143-3157.	14.6	164
18	Synthesis and Self-Assembly of Polymer-Coated Ferromagnetic Nanoparticles. <i>ACS Nano</i> , 2007, 1, 279-292.	14.6	158

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19	Nanocomposite Materials from Functional Polymers and Magnetic Colloids. <i>Polymer Reviews</i> , 2007, 47, 231-263.	10.9	157
20	High Refractive Index Copolymers with Improved Thermomechanical Properties via the Inverse Vulcanization of Sulfur and 1,3,5-Triisopropenylbenzene. <i>ACS Macro Letters</i> , 2016, 5, 1152-1156.	4.8	150
21	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> , 2002, 40, 2667-2676.	2.1	149
22	Inverse vulcanization of elemental sulfur with 1,4-diphenylbutadiyne for cathode materials in Li-S batteries. <i>RSC Advances</i> , 2015, 5, 24718-24722.	3.6	149
23	Inverse vulcanization of elemental sulfur and styrene for polymeric cathodes in Li-S batteries. <i>Journal of Polymer Science Part A</i> , 2017, 55, 107-116.	2.3	139
24	Synthesis of Block, Statistical, and Gradient Copolymers from Octadecyl (Meth)acrylates Using Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2003, 36, 8969-8977.	4.8	134
25	The Importance of Confined Sulfur Nanodomains and Adjoining Electron Conductive Pathways in Subreaction Regimes of Li-S Batteries. <i>Advanced Energy Materials</i> , 2017, 7, 1700074.	19.5	127
26	Preparation of Dynamic Covalent Polymers via Inverse Vulcanization of Elemental Sulfur. <i>ACS Macro Letters</i> , 2014, 3, 1258-1261.	4.8	124
27	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> , 2015, 53, 173-177.	2.3	123
28	The use of polymers in Li-S batteries: A review. <i>Journal of Polymer Science Part A</i> , 2017, 55, 1635-1668.	2.3	119
29	Preparation of hyperbranched polyacrylates by atom transfer radical polymerization, 4. The use of zero-valent copper. <i>Macromolecular Rapid Communications</i> , 1998, 19, 665-670.	3.9	113
30	Chalcogenide Hybrid Inorganic/Organic Polymers: Ultrahigh Refractive Index Polymers for Infrared Imaging. <i>ACS Macro Letters</i> , 2017, 6, 500-504.	4.8	111
31	Synthesis and Colloidal Polymerization of Ferromagnetic Au ₃ Co Nanoparticles into Au ₃ Co ₄ Nanowires. <i>Journal of the American Chemical Society</i> , 2010, 132, 3234-3235.	13.7	109
32	Functionalization of polymers prepared by ATRP using radical addition reactions. <i>Macromolecular Rapid Communications</i> , 2000, 21, 103-109.	3.9	108
33	Elemental Sulfur and Molybdenum Disulfide Composites for Li-S Batteries with Long Cycle Life and High-Rate Capability. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 13437-13448.	8.0	108
34	Graphene quantum dots: structural integrity and oxygen functional groups for high sulfur/sulfide utilization in lithium sulfur batteries. <i>NPG Asia Materials</i> , 2016, 8, e272-e272.	7.9	105
35	Mechanically reinforced silica aerogel nanocomposites via surface initiated atom transfer radical polymerizations. <i>Journal of Materials Chemistry</i> , 2010, 20, 6863.	6.7	99
36	Lanthanide(III)-Doped Magnetite Nanoparticles. <i>Journal of the American Chemical Society</i> , 2009, 131, 6336-6337.	13.7	94

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37	Universal Length Dependence of Rod-to-Seed Exciton Localization Efficiency in Type I and Quasi-Type II CdSe@CdS Nanorods. <i>ACS Nano</i> , 2015, 9, 4591-4599.	14.6	92
38	Polymerizations with Elemental Sulfur: From Petroleum Refining to Polymeric Materials. <i>Journal of the American Chemical Society</i> , 2022, 144, 5-22.	13.7	91
39	100th Anniversary of Macromolecular Science Viewpoint: High Refractive Index Polymers from Elemental Sulfur for Infrared Thermal Imaging and Optics. <i>ACS Macro Letters</i> , 2020, 9, 245-259.	4.8	87
40	The Dramatic Effect of Architecture on the Self-Assembly of Block Copolymers at Interfaces. <i>Langmuir</i> , 2005, 21, 10444-10458.	3.5	78
41	Synthesis and Direct Visualization of Block Copolymers Composed of Different Macromolecular Architectures. <i>Macromolecules</i> , 2005, 38, 2674-2685.	4.8	77
42	Ferrocene Functional Polymer Brushes on Indium Tin Oxide via Surface-Initiated Atom Transfer Radical Polymerization. <i>Langmuir</i> , 2010, 26, 2083-2092.	3.5	73
43	One-pot synthesis of PbS NP/sulfur-oleyamine copolymer nanocomposites via the copolymerization of elemental sulfur with oleyamine. <i>Polymer Chemistry</i> , 2014, 5, 3617.	3.9	73
44	Field Induced Formation of Mesoscopic Polymer Chains from Functional Ferromagnetic Colloids. <i>Journal of the American Chemical Society</i> , 2007, 129, 6291-6297.	13.7	72
45	One-step vapor-phase synthesis of transparent high refractive index sulfur-containing polymers. <i>Science Advances</i> , 2020, 6, eabb5320.	10.3	71
46	Magnetic Assembly and Pyrolysis of Functional Ferromagnetic Colloids into One-Dimensional Carbon Nanostructures. <i>Journal of the American Chemical Society</i> , 2007, 129, 8694-8695.	13.7	69
47	Colloidal polymers from inorganic nanoparticle monomers. <i>Progress in Polymer Science</i> , 2015, 40, 85-120.	24.7	67
48	Elemental Sulfur as a Reactive Medium for Gold Nanoparticles and Nanocomposite Materials. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11409-11412.	13.8	66
49	Chalcogenide hybrid inorganic/organic polymers (CHIPs) via inverse vulcanization and dynamic covalent polymerizations. <i>Polymer Chemistry</i> , 2017, 8, 5167-5173.	3.9	66
50	Directing the Deposition of Ferromagnetic Cobalt onto Pt-Tipped CdSe@CdS Nanorods: Synthetic and Mechanistic Insights. <i>ACS Nano</i> , 2012, 6, 8632-8645.	14.6	65
51	Nucleophilic Activation of Elemental Sulfur for Inverse Vulcanization and Dynamic Covalent Polymerizations. <i>Journal of Polymer Science Part A</i> , 2019, 57, 7-12.	2.3	65
52	One Dimensional Photonic Crystals Using Ultrahigh Refractive Index Chalcogenide Hybrid Inorganic/Organic Polymers. <i>ACS Macro Letters</i> , 2018, 7, 875-880.	4.8	63
53	Improving the Charge Conductance of Elemental Sulfur via Tandem Inverse Vulcanization and Electropolymerization. <i>ACS Macro Letters</i> , 2015, 4, 111-114.	4.8	62
54	Infrared Fingerprint Engineering: A Molecular Design Approach to Long-Wave Infrared Transparency with Polymeric Materials. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17656-17660.	13.8	57

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55	Catalytic Metallopolymers from [2Fe μ S] Clusters: Artificial Metalloenzymes for Hydrogen Production. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7537-7550.	13.8	56
56	Self-assembly of polymer-coated ferromagnetic nanoparticles into mesoscopic polymer chains. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2008, 46, 2267-2277.	2.1	53
57	[FeFe]-Hydrogenase Mimetic Metallopolymers with Enhanced Catalytic Activity for Hydrogen Production in Water. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11898-11902.	13.8	52
58	Synthesis of a Macroporous Conjugated Polymer Framework: Iron Doping for Highly Stable, Highly Efficient Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 3087-3097.	8.0	52
59	Colloidal Polymers via Dipolar Assembly of Magnetic Nanoparticle Monomers. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 6022-6032.	8.0	51
60	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> , 2007, 129, 11310-11311.	13.7	48
61	Dipolar organization and magnetic actuation of flagella-like nanoparticle assemblies. <i>Journal of Materials Chemistry</i> , 2011, 21, 7314.	6.7	48
62	Functionalized chalcogenide hybrid inorganic/organic polymers (CHIPs) <i>via</i> inverse vulcanization of elemental sulfur and vinylanilines. <i>Polymer Chemistry</i> , 2018, 9, 2290-2294.	3.9	48
63	Colloidal Polymerization of Polymer-Coated Ferromagnetic Cobalt Nanoparticles into Pt-Co ₃ O ₄ Nanowires. <i>Chemistry of Materials</i> , 2011, 23, 1120-1129.	6.7	47
64	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> , 2012, 50, 4010-4018.	2.3	46
65	Segmented Polyurethanes and Thermoplastic Elastomers from Elemental Sulfur with Enhanced Thermomechanical Properties and Flame Retardancy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22900-22907.	13.8	44
66	Catalytic Metallopolymers from [2Fe μ S] Clusters: Artificial Metalloenzymes for Hydrogen Production. <i>Angewandte Chemie</i> , 2019, 131, 7617-7630.	2.0	42
67	Photoelectrochemical Processes in Polymer-Tethered CdSe Nanocrystals. <i>Journal of the American Chemical Society</i> , 2010, 132, 2622-2632.	13.7	40
68	Single chain polymer nanoparticles via sequential ATRP and oxidative polymerization. <i>Polymer Chemistry</i> , 2013, 4, 3765.	3.9	40
69	Colloidal Polymers from Dipolar Assembly of Cobalt-Tipped CdSe@CdS Nanorods. <i>ACS Nano</i> , 2014, 8, 3272-3284.	14.6	39
70	Dipolar assembly of ferromagnetic nanoparticles into magnetically driven artificial cilia. <i>Soft Matter</i> , 2010, 6, 602-609.	2.7	36
71	High Verdet Constant Materials for Magneto-Optical Faraday Rotation: A Review. <i>Chemistry of Materials</i> , 2022, 34, 2531-2544.	6.7	36
72	Macromolecules of controlled architecture. <i>Journal of Materials Chemistry</i> , 2003, 13, 2653-2660.	6.7	35

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73	Synthesis, self-assembly and reversible healing of supramolecular perfluoropolyethers. <i>Journal of Polymer Science Part A</i> , 2013, 51, 3598-3606.	2.3	34
74	Conformal Polymeric Multilayer Coatings on Sulfur Cathodes via the Layer-by-Layer Deposition for High Capacity Retention in Li-S Batteries. <i>ACS Macro Letters</i> , 2016, 5, 471-475.	4.8	31
75	Synthesis and Surface Attachment of ABC Triblock Copolymers Containing Glassy and Rubbery Segments. <i>Macromolecular Chemistry and Physics</i> , 2004, 205, 411-417.	2.2	30
76	Sulfur Polymers Meet Poly(ionic liquid)s: Bringing New Properties to Both Polymer Families. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1800529.	3.9	30
77	Rational design of sulfur-containing composites for high-performance lithium-sulfur batteries. <i>APL Materials</i> , 2019, 7, .	5.1	30
78	Magnetic self-assembly of gold nanoparticle chains using dipolar core-shell colloids. <i>Chemical Communications</i> , 2011, 47, 890-892.	4.1	29
79	High Sulfur Content Polymer Nanoparticles Obtained from Interfacial Polymerization of Sodium Polysulfide and 1,2,3-Trichloropropane in Water. <i>Macromolecular Rapid Communications</i> , 2015, 36, 1103-1107.	3.9	29
80	Controlling length and areal density of artificial cilia through the dipolar assembly of ferromagnetic nanoparticles. <i>Soft Matter</i> , 2012, 8, 5334.	2.7	26
81	Structural origins of enhanced capacity retention in novel copolymerized sulfur-based composite cathodes for high-energy density Li-S batteries. <i>MRS Communications</i> , 2015, 5, 353-364.	1.8	26
82	Macromolecular Engineering of the Outer Coordination Sphere of [2Fe-2S] Metallopolymers to Enhance Catalytic Activity for H ₂ Production. <i>ACS Macro Letters</i> , 2018, 7, 1383-1387.	4.8	26
83	Synthesis of ferromagnetic polymer coated nanoparticles on multi-gram scale with tunable particle size. <i>Journal of Materials Chemistry</i> , 2010, 20, 6023.	6.7	25
84	Band Edge Energetics of Heterostructured Nanorods: Photoemission Spectroscopy and Waveguide Spectroelectrochemistry of Au-Tipped CdSe Nanorod Monolayers. <i>ACS Nano</i> , 2015, 9, 8786-8800.	14.6	25
85	Synthesis and Assembly of Dipolar Heterostructured Tetrapods: Colloidal Polymers with Giant tert-Butyl-Groups. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1787-1791.	13.8	24
86	Facile Assembly of Aligned Magnetic Nanoparticle Chains in Polymer Nanocomposite Films by Magnetic Flow Coating. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 11290-11298.	8.0	24
87	Polymer-Stabilized Phospholipid Vesicles with a Controllable, pH-Dependent Disassembly Mechanism. <i>Langmuir</i> , 2009, 25, 1908-1910.	3.5	21
88	Self-Assembly and Colloidal Polymerization of Polymer-Nanoparticle Hybrids into Mesoscopic Chains. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12408-12409.	13.8	21
89	A one-pot synthesis of polysulfane-bearing block copolymer nanoparticles with tunable size and refractive index. <i>Chemical Communications</i> , 2016, 52, 2485-2488.	4.1	21
90	Evaluating the Effect of Termination by Chain-Chain Coupling in Living Free-Radical Polymerizations. <i>Australian Journal of Chemistry</i> , 2003, 56, 775.	0.9	20

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91	Efficient CdSe Nanocrystal Diffraction Gratings Prepared by Microcontact Molding. ACS Nano, 2009, 3, 3629-3637.	14.6	20
92	Uniform decoration of Pt nanoparticles on well-defined CdSe tetrapods and the effect of their Pt cluster size on photocatalytic H ₂ generation. CrystEngComm, 2015, 17, 8423-8427.	2.6	18
93	Polymer and magnetic nanoparticle composites with tunable magneto-optical activity: role of nanoparticle dispersion for high verdet constant materials. Journal of Materials Chemistry C, 2020, 8, 5417-5425.	5.5	18
94	Increasing the rate of the hydrogen evolution reaction in neutral water with protic buffer electrolytes. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 32947-32953.	7.1	16
95	Morphological conversion of dipolar core-shell Au-Co nanoparticles into beaded Au-Co ₃ O ₄ nanowires. Journal of Materials Chemistry, 2011, 21, 14163.	6.7	15
96	Synthesis of ferromagnetic cobalt nanoparticle tipped CdSe@CdS nanorods: critical role of Pt-activation. CrystEngComm, 2014, 16, 9461-9468.	2.6	15
97	Type I vs. quasi-type II modulation in CdSe@CdS tetrapods: ramifications for noble metal tipping. CrystEngComm, 2017, 19, 6443-6453.	2.6	15
98	High Refractive Index Chalcogenide Hybrid Inorganic/Organic Polymers for Integrated Photonics. Advanced Optical Materials, 2022, 10, .	7.3	15
99	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. Microscopy and Microanalysis, 2016, 22, 1198-1221.	0.4	14
100	Refractive Index Contrast Polymers: Photoresponsive Systems with Spatial Modulation of Refractive Index for Photonics. ACS Macro Letters, 2020, 9, 416-421.	4.8	14
101	Colloidal Random Terpolymers: Controlling Reactivity Ratios of Colloidal Comonomers via Metal Tipping. ACS Macro Letters, 2016, 5, 950-954.	4.8	12
102	Infrared Fingerprint Engineering: A Molecular Design Approach to Long-Wave Infrared Transparency with Polymeric Materials. Angewandte Chemie, 2019, 131, 17820-17824.	2.0	12
103	Chalcogenide hybrid inorganic/organic polymer resins: Amine functional prepolymers from elemental sulfur. Journal of Polymer Science, 2020, 58, 35-41.	3.8	12
104	Polymer-Coated Magnetic Nanoparticles as Ultrahigh Verdet Constant Materials: Correlation of Nanoparticle Size with Magnetic and Magneto-Optical Properties. Chemistry of Materials, 2021, 33, 5010-5020.	6.7	12
105	[FeFe]-Hydrogenase Mimetic Metallopolymers with Enhanced Catalytic Activity for Hydrogen Production in Water. Angewandte Chemie, 2018, 130, 12074-12078.	2.0	10
106	Synthesis of Metallopolymers via Atom Transfer Radical Polymerization from a [2Fe ₂ S] Metalloinitiator: Molecular Weight Effects on Electrocatalytic Hydrogen Production. Macromolecular Rapid Communications, 2020, 41, e1900424.	3.9	10
107	Hybrids by Cluster Complex-Initiated Polymerization. Macromolecules, 2012, 45, 2614-2618.	4.8	9
108	Multimodal Characterization of the Morphology and Functional Interfaces in Composite Electrodes for Li-S Batteries by Li Ion and Electron Beams. Langmuir, 2017, 33, 9361-9377.	3.5	9

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109	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> , 2020, 124, 21305-21318.	3.1	9
110	Nonlinear optical properties of chalcogenide hybrid inorganic/organic polymers (CHIPs) using the Z-scan technique. <i>Optical Materials Express</i> , 2018, 8, 2510.	3.0	8
111	On the Fundamental Polymer Chemistry of Inverse Vulcanization for Statistical and Segmented Copolymers from Elemental Sulfur. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	8
112	Optical properties of sulfur copolymers for infrared applications. , 2014, , .		7
113	From waste to valuable plasticsâ€“Discovery of new paradigms from well-studied systems with elemental sulfur. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2017, 192, 157-161.	1.6	6
114	Dynamic Covalent Polymerization of Chalcogenide Hybrid Inorganic/Organic Polymer Resins with Norbornenyl Comonomers. <i>Macromolecular Research</i> , 2020, 28, 1003-1009.	2.4	6
115	Segmented Polyurethanes and Thermoplastic Elastomers from Elemental Sulfur with Enhanced Thermomechanical Properties and Flame Retardancy. <i>Angewandte Chemie</i> , 2021, 133, 23082.	2.0	6
116	SmartPrint Single-Mode Flexible Polymer Optical Interconnect for High Density Integrated Photonics. <i>Journal of Lightwave Technology</i> , 2022, 40, 3839-3844.	4.6	6
117	Modular synthesis of functional polymer nanoparticles from a versatile platform based on poly(pentafluorophenylmethacrylate). <i>Journal of Polymer Science Part A</i> , 2016, 54, 1895-1901.	2.3	5
118	Arm length dependency of Pt-decorated CdSe tetrapods on the performance of photocatalytic hydrogen generation. <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 2287-2290.	2.7	5
119	Water-soluble and air-stable [2Fe-2S]-metallopolymers: A new class of electrocatalysts for H ₂ production via water splitting. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2019, 194, 701-706.	1.6	4
120	Rapid photolithographic fabrication of high density optical interconnects using refractive index contrast polymers. <i>Optical Materials Express</i> , 2022, 12, 1932.	3.0	4
121	Polyoctadecyl methacrylate brushes via surface-initiated atom transfer radical polymerization. <i>Applied Organometallic Chemistry</i> , 2013, 27, 378-682.	3.5	3
122	Surface Initiated Atom Transfer Radical Polymerizations from Indium Tin Oxide Electrodes: Electrochemistry of Polymer Brushes. <i>ACS Symposium Series</i> , 2012, , 197-209.	0.5	2
123	Subsurface Imaging of the Cores of Polymer-Encapsulated Cobalt Nanoparticles Using Force Modulation Microscopy. <i>Journal of Physical Chemistry C</i> , 2017, 121, 23498-23504.	3.1	2
124	Titelbild: Elemental Sulfur as a Reactive Medium for Gold Nanoparticles and Nanocomposite Materials (<i>Angew. Chem.</i> 48/2011). <i>Angewandte Chemie</i> , 2011, 123, 11459-11459.	2.0	1
125	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> , 2015, 21, 143-144.	0.4	1
126	Elemental sulfur-molybdenum disulfide composites for high-performance cathodes for Liâ€“S batteries: the impact of interfacial structures on electrocatalytic anchoring of polysulfides. <i>MRS Communications</i> , 2021, 11, 261-271.	1.8	1

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127	Cover Picture: Elemental Sulfur as a Reactive Medium for Gold Nanoparticles and Nanocomposite Materials (Angew. Chem. Int. Ed. 48/2011). Angewandte Chemie - International Edition, 2011, 50, 11263-11263.	13.8	0
128	Synthesis and Assembly of Dipolar Heterostructured Tetrapods: Colloidal Polymers with α -Giant tert-butyl β -Groups. Angewandte Chemie, 2016, 128, 1819-1823.	2.0	0
129	Lithium-Sulfur Batteries: The Importance of Confined Sulfur Nanodomains and Adjoining Electron Conductive Pathways in Subreaction Regimes of Li-S Batteries (Adv. Energy Mater. 19/2017). Advanced Energy Materials, 2017, 7, .	19.5	0
130	MOS ₂ -S ₈ Composite Cathodes for Long Cycle Life High Performance Li-S Batteries Studied by FESEM and High-Resolution AEM. Microscopy and Microanalysis, 2017, 23, 1972-1973.	0.4	0
131	Nonlinear Refractive Index of Sulfur Copolymer Materials. , 2017, , .		0
132	Chalcogenide hybrid inorganic/organic polymer resins: Amine functional prepolymers from elemental sulfur. Journal of Polymer Science, 2020, 58, 35-41.	3.8	0