

Bernhard Rieger

List of Publications by Year in descending order

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438
papers

22,095
citations

15504

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13379

130
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475
all docs

475
docs citations

475
times ranked

13299
citing authors

#	ARTICLE	IF	CITATIONS
1	Solvent-free Synthesis and Processing of Conductive Elastomer Composites for Green Dielectric Elastomer Transducers. <i>Macromolecular Rapid Communications</i> , 2022, 43, e2100823.	3.9	9
2	Combining high activity with broad monomer scope: indium salen catalysts in the ring-opening polymerization of various cyclic esters. <i>Catalysis Science and Technology</i> , 2022, 12, 3295-3302.	4.1	10
3	Biobased Synthesis and Biodegradability of CO ₂ -Based Polycarbonates. <i>Advances in Polymer Science</i> , 2022, , 177-195.	0.8	1
4	Ultrasensitive Picomolar Detection of Aqueous Acids in Microscale Fluorescent Droplets. <i>ACS Sensors</i> , 2022, 7, 245-252.	7.8	6
5	A Nanometric Probe of the Local Proton Concentration in Microtubule-Based Biophysical Systems. <i>Nano Letters</i> , 2022, 22, 517-523.	9.1	7
6	<i>In situ</i> activation of green sorbents for CO ₂ capture upon end group backbiting. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 12293-12299.	2.8	4
7	Effect of Hofmeister Salts on the LCST of Poly(diethyl vinylphosphonate) and Poly(2-vinylpyridine)-block-diethyl vinylphosphonate). <i>Macromolecular Chemistry and Physics</i> , 2022, 223, .	2.2	1
8	Revealing the Negative Capacitance Effect in Silicon Quantum Dot Light-Emitting Diodes via Temperature-Dependent Capacitance-Voltage Characterization. <i>IEEE Photonics Journal</i> , 2022, 14, 1-9.	2.0	3
9	Macromolecular Rhenium-Ruthenium Complexes for Photocatalytic CO ₂ Conversion: From Catalytic Lewis Pair Polymerization to Well-Defined Poly(vinyl bipyridine)-Metal Complexes. <i>Macromolecules</i> , 2022, 55, 7039-7048.	4.8	11
10	Synthesis of a Triphenylphosphinimide-Substituted Silirane as a "Masked" Acyclic Silylene. <i>Inorganic Chemistry</i> , 2022, 61, 9983-9989.	4.0	3
11	High-Molecular-Weight Bisalkoxy-Substituted Poly(para)phenylenes by Kumada Polymerization. <i>Macromolecules</i> , 2022, 55, 5361-5370.	4.8	4
12	Two-Photon Fluorescence in Red and Violet Conjugated Polymer Microspheres. <i>Inorganics</i> , 2022, 10, 101.	2.7	3
13	Entrapped Molecular Photocatalyst and Photosensitizer in Metal-Organic Framework Nanoreactors for Enhanced Solar CO ₂ Reduction. <i>ACS Catalysis</i> , 2021, 11, 871-882.	11.2	65
14	Dinuclear [OSSO]-Fe complexes for the reaction of CO ₂ with epoxides. <i>Catalysis Science and Technology</i> , 2021, 11, 4702-4707.	4.1	8
15	Understanding entrapped molecular photosystem and metal-organic framework synergy for improved solar fuel production. <i>Faraday Discussions</i> , 2021, 231, 281-297.	3.2	18
16	Silicon Nanosheets versus Graphene Nanosheets: A Comparison of Their Nonlinear Optical Response. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 815-821.	4.6	12
17	Molecular Design of Chemically Fueled Peptide-Polyelectrolyte Coacervate-Based Assemblies. <i>Journal of the American Chemical Society</i> , 2021, 143, 4782-4789.	13.7	59
18	Expanding the Scope of Organic Radical Polymers to Polyvinylphosphonates Synthesized via Rare-Earth Metal-Mediated Group-Transfer Polymerization. <i>Macromolecules</i> , 2021, 54, 4089-4100.	4.8	6

#	ARTICLE	IF	CITATIONS
19	Introduction of Photolabile Bases for Locally Controlling Dynamic Exchange Reactions in Thermo-Activated Vitrimers. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14302-14306.	13.8	36
20	Wirt-Gast-Wechselwirkungen in einer Serie isoretikulärer Metallorganischer Gerüststrukturen für molekulare photokatalytische CO ₂ -Reduktion. <i>Angewandte Chemie</i> , 2021, 133, 17998-18004.	2.0	13
21	Aluminum Oxide at the Monolayer Limit via Oxidant-Free Plasma-Assisted Atomic Layer Deposition on GaN. <i>Advanced Functional Materials</i> , 2021, 31, 2101441.	14.9	17
22	Host-Guest Interactions in a Metal-Organic Framework Isoreticular Series for Molecular Photocatalytic CO ₂ Reduction. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 17854-17860.	13.8	69
23	Surface Engineering of Silicon Quantum Dots: Does the Ligand Length Impact the Optoelectronic Properties of Light-Emitting Diodes?. <i>Advanced Photonics Research</i> , 2021, 2, 2100083.	3.6	10
24	Surface-Anisotropic Janus Silicon Quantum Dots via Masking on 2D Silicon Nanosheets. <i>Advanced Materials</i> , 2021, 33, e2100288.	21.0	7
25	Surface-Anisotropic Janus Silicon Quantum Dots via Masking on 2D Silicon Nanosheets (<i>Adv. Mater.</i>) Tj ETQq1 1 0.784314 1gBT /Over	21.0	7
26	Synthesis, characterisation and functionalisation of BAB-type dual-responsive nanocarriers for targeted drug delivery: evolution of nanoparticles based on 2-vinylpyridine and diethyl vinylphosphonate. <i>RSC Advances</i> , 2021, 11, 1586-1594.	3.6	3
27	Wide-Gamut Blended Conjugated Polymer Microspheres. <i>Advanced Optical Materials</i> , 2021, 9, 2101788.	7.3	6
28	Uniting Group-Transfer and Ring-Opening Polymerization-Block Copolymers from Functional Michael-Type Monomers and Lactones. <i>Macromolecules</i> , 2021, 54, 10860-10869.	4.8	4
29	Modular Assembly of Vibrationally and Electronically Coupled Rhenium Bipyridine Carbonyl Complexes on Silicon. <i>Journal of the American Chemical Society</i> , 2021, 143, 19505-19516.	13.7	4
30	Allyl group-containing polyvinylphosphonates as a flexible platform for the selective introduction of functional groups via polymer-analogous transformations. <i>RSC Advances</i> , 2021, 11, 38555-38564.	3.6	3
31	CO ₂ activation through C-N, C-O and C-C bond formation. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 1306-1312.	2.8	18
32	Sequential immobilization of ansa-hafnocene complexes for propene polymerization. <i>Journal of Organometallic Chemistry</i> , 2020, 909, 121075.	1.8	2
33	Defect Creation in Surface-Mounted Metal-Organic Framework Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 2655-2661.	8.0	18
34	From lanthanide-mediated, high-precision group transfer polymerization of Michael-type monomers, to intelligent, functional materials. <i>European Polymer Journal</i> , 2020, 122, 109385.	5.4	5
35	Precise Synthesis of Poly(dimethylsiloxane) Copolymers through C-H Bond-Activated Macroinitiators via Yttrium-Mediated Group Transfer Polymerization and Ring-Opening Polymerization. <i>Macromolecules</i> , 2020, 53, 8382-8392.	4.8	2
36	Porphyrim based metal-organic framework films: nucleation and growth. <i>Journal of Materials Chemistry A</i> , 2020, 8, 25941-25950.	10.3	24

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37	Aliphatic polycarbonates derived from epoxides and CO ₂ : A comparative study of poly(cyclohexene) Tj ETQq1 1 0.784314 rgBT /Overfoc	3.8	15
38	The Next 100 Years of Polymer Science. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 2000216.	2.2	69
39	(+)-Limonene Functionalization: Syntheses, Optimization, and Scale-up Procedures for Sustainable Polymer Building Blocks. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 15464-15477.	3.7	10
40	Maximizing PHB content in <i>Synechocystis</i> sp. PCC 6803: a new metabolic engineering strategy based on the regulator PirC. <i>Microbial Cell Factories</i> , 2020, 19, 231.	4.0	61
41	C-H Bond Activation of Silyl-Substituted Pyridines with Bis(Phenolate)Yttrium Catalysts as a Facile Tool towards Hydroxyl-Terminated Michael-Type Polymers. <i>Catalysts</i> , 2020, 10, 448.	3.5	5
42	Synthesis and Application of Functional Group-Bearing Pyridyl-Based Initiators in Rare Earth Metal-Mediated Group Transfer Polymerization. <i>Macromolecules</i> , 2020, 53, 4345-4354.	4.8	8
43	Application of multifunctional silylenes and siliranes as universal crosslinkers for metal-free curing of silicones. <i>Green Chemistry</i> , 2020, 22, 4489-4497.	9.0	7
44	The synergistic effect of heterostructured dissimilar metal-organic framework thin films on adsorption properties. <i>Journal of Materials Chemistry A</i> , 2020, 8, 12990-12995.	10.3	15
45	Reactions of an anionic chelate phosphane/borata-alkene ligand with [Rh(nbd)Cl] ₂ , [Rh(CO) ₂ Cl] ₂ and [Ir(cod)Cl] ₂ . <i>Chemical Science</i> , 2020, 11, 7349-7355.	7.4	18
46	(Co)polymerization of (â)-menthide and Î ² -butyrolactone with yttrium-bis(phenolates): tuning material properties of sustainable polyesters. <i>Polymer Chemistry</i> , 2020, 11, 4426-4437.	3.9	11
47	Heteronuclear, Monomer-Selective Zn/Y Catalyst Combines Copolymerization of Epoxides and CO ₂ with Group-Transfer Polymerization of Michael-Type Monomers. <i>ACS Macro Letters</i> , 2020, 9, 571-575.	4.8	13
48	Trialkylaluminum N-Heterocyclic Olefin (NHO) Adducts as Catalysts for the Polymerization of Michael-Type Monomers. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2020, 646, 547-551.	1.2	11
49	Thermally Induced Dehydrogenative Coupling of Organosilanes and H-Terminated Silicon Quantum Dots onto Germanane Surfaces. <i>Chemistry of Materials</i> , 2020, 32, 4536-4543.	6.7	8
50	An Ultrasensitive Fluorescent Paper-Based CO ₂ Sensor. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 20507-20513.	8.0	44
51	Space charge-limited current transport in thin films of alkyl-functionalized silicon nanocrystals. <i>Nanotechnology</i> , 2019, 30, 395201.	2.6	3
52	Metal-Organic Framework with Color-Switching and Strongly Polarized Emission. <i>Chemistry of Materials</i> , 2019, 31, 5816-5823.	6.7	16
53	Biomaterials for CO ₂ Harvesting: From Regulatory Functions to Wet Scrubbing Applications. <i>ACS Omega</i> , 2019, 4, 11532-11539.	3.5	18
54	Terpolymerization of Î ² -Butyrolactone, Epoxides, and CO ₂ : Chemoselective CO ₂ -Switch and Its Impact on Kinetics and Material Properties. <i>Macromolecules</i> , 2019, 52, 8476-8483.	4.8	52

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55	Isospecific Group-Transfer Polymerization of Diethyl Vinylphosphonate and Multidimensional NMR Analysis of the Polymer Microstructure. <i>Macromolecules</i> , 2019, 52, 7073-7080.	4.8	11
56	Pathway Dependence in the Fuel-Driven Dissipative Self-Assembly of Nanoparticles. <i>Journal of the American Chemical Society</i> , 2019, 141, 9872-9878.	13.7	114
57	Nicht-unschuldiger Methylen-Linker in verbrückten Lewis-Paar-Initiatoren. <i>Angewandte Chemie</i> , 2019, 131, 9902-9906.	2.0	6
58	Non-Innocent Methylene Linker in Bridged Lewis Pair Initiators. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9797-9801.	13.8	22
59	Unprecedented High Oxygen Evolution Activity of Electrocatalysts Derived from Surface-Mounted Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2019, 141, 5926-5933.	13.7	125
60	Polyamide/PEG Blends as Biocompatible Biomaterials for the Convenient Regulation of Cell Adhesion and Growth. <i>Macromolecular Rapid Communications</i> , 2019, 40, e1900091.	3.9	33
61	Functionalized and oxidized silicon nanosheets: Customized design for enhanced sensitivity towards relative humidity. <i>Sensors and Actuators B: Chemical</i> , 2019, 283, 451-457.	7.8	7
62	Silicon nanosheets as co-initiators for diaryliodonium induced radical and cationic polymerization. <i>Nanotechnology</i> , 2019, 30, 075602.	2.6	0
63	The influence of surface functionalization methods on the performance of silicon nanocrystal LEDs. <i>Nanoscale</i> , 2018, 10, 10337-10342.	5.6	24
64	High-Melting, Elastic Polypropylene: A One-Pot, One-Catalyst Strategy toward Propylene-Based Thermoplastic Elastomers. <i>Macromolecules</i> , 2018, 51, 914-929.	4.8	9
65	Positive effect of 1,8-diazabicyclo[5.4.0]undec-7-ene (DBU) on homogeneous photocatalytic reduction of CO ₂ . <i>Chemical Communications</i> , 2018, 54, 3323-3326.	4.1	10
66	Fluorescent Polyvinylphosphonate Bioconjugates for Selective Cellular Delivery. <i>Chemistry - A European Journal</i> , 2018, 24, 2584-2587.	3.3	12
67	Additive Manufacturing of Al ₂ O ₃ -Based Carriers for Heterogeneous Catalysis. <i>Chemie-Ingenieur-Technik</i> , 2018, 90, 703-707.	0.8	22
68	Frontispiece: Metal-Catalyzed Group-Transfer Polymerization: A Versatile Tool for Tailor-Made Functional (Co)Polymers. <i>Chemistry - A European Journal</i> , 2018, 24, .	3.3	0
69	Superhydrophobic Silicon Nanocrystal-Silica Aerogel Hybrid Materials: Synthesis, Properties, and Sensing Application. <i>Langmuir</i> , 2018, 34, 4888-4896.	3.5	23
70	Adjustable Polyurethane Foam as Filling Material for a Novel Spondyloplasty: Biomechanics and Biocompatibility. <i>World Neurosurgery</i> , 2018, 112, e848-e858.	1.3	5
71	Radical-Initiated and Thermally Induced Hydrogermylation of Alkenes on the Surfaces of Germanium Nanosheets. <i>Chemistry of Materials</i> , 2018, 30, 2274-2280.	6.7	30
72	Metal-Catalyzed Group-Transfer Polymerization: A Versatile Tool for Tailor-Made Functional (Co)Polymers. <i>Chemistry - A European Journal</i> , 2018, 24, 509-518.	3.3	19

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73	Precise synthesis of thermoresponsive polyvinylphosphonate-biomolecule conjugates via thiol-ene click chemistry. <i>Polymer Chemistry</i> , 2018, 9, 284-290.	3.9	17
74	A green sorbent for CO ₂ capture: β -cyclodextrin-based carbonate in DMSO solution. <i>RSC Advances</i> , 2018, 8, 37757-37764.	3.6	17
75	Surface Engineering of Two-Dimensional Hydrogenated Silicon Nanosheets for Tailored Applications. <i>Journal of Physics: Conference Series</i> , 2018, 1092, 012080.	0.4	0
76	Wide-gamut lasing from a single organic chromophore. <i>Light: Science and Applications</i> , 2018, 7, 101.	16.6	12
77	Single-Site, Organometallic Aluminum Catalysts for the Precise Group Transfer Polymerization of Michael-Type Monomers. <i>Chemistry - A European Journal</i> , 2018, 24, 14853-14853.	3.3	0
78	Control of Water Content for Enhancing the Quality of Copper Paddle-Wheel-Based Metal-Organic Framework Thin Films Grown by Layer-by-Layer Liquid-Phase Epitaxy. <i>Crystal Growth and Design</i> , 2018, 18, 7451-7459.	3.0	16
79	Directing the hetero-growth of lattice-mismatched surface-mounted metal-organic frameworks by functionalizing the interface. <i>Journal of Materials Chemistry A</i> , 2018, 6, 21295-21303.	10.3	25
80	Precise Activation of Ammonia and Carbon Dioxide by an Iminodisilene. <i>Angewandte Chemie</i> , 2018, 130, 14783-14787.	2.0	20
81	Ultrabright Fluorescent and Lasing Microspheres from a Conjugated Polymer. <i>Advanced Functional Materials</i> , 2018, 28, 1802759.	14.9	20
82	Single-Site, Organometallic Aluminum Catalysts for the Precise Group Transfer Polymerization of Michael-Type Monomers. <i>Chemistry - A European Journal</i> , 2018, 24, 14950-14957.	3.3	7
83	Dissipative Self-Assembly of Photoluminescent Silicon Nanocrystals. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14608-14612.	13.8	80
84	Synthesis of Lewis Acidic, Aromatic Aminotroponimate Zinc Complexes for the Ring-Opening Polymerization of Cyclic Esters. <i>Inorganic Chemistry</i> , 2018, 57, 9931-9940.	4.0	8
85	Yttrium-Catalyzed Synthesis of Bipyridine-Functionalized AB-Block Copolymers: Micellar Support for Photocatalytic Active Rhenium-Complexes. <i>ChemCatChem</i> , 2018, 10, 4309-4316.	3.7	14
86	Dissipative Selbstassemblierung photolumineszierender Siliciumnanokristalle. <i>Angewandte Chemie</i> , 2018, 130, 14817-14822.	2.0	18
87	Behind the Scenes of Group 4 Metallocene Catalysis: Examination of the Metal-Carbon Bond. <i>Organometallics</i> , 2018, 37, 2690-2705.	2.3	24
88	Synthesis of next generation dual-responsive cross-linked nanoparticles and their application to anti-cancer drug delivery. <i>Nanoscale</i> , 2018, 10, 16062-16068.	5.6	12
89	The influence of conjugated alkynyl(aryl) surface groups on the optical properties of silicon nanocrystals: photoluminescence through in-gap states. <i>Nanotechnology</i> , 2018, 29, 355705.	2.6	7
90	Charge transfer doping in functionalized silicon nanosheets/P3HT hybrid material for applications in electrolyte-gated field-effect transistors. <i>Journal of Materials Chemistry C</i> , 2018, 6, 7343-7352.	5.5	9

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91	Studies on the Biocompatibility of Poly(diethyl vinylphosphonate) with a New Fluorescent Marker. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1800259.	3.9	5
92	[OSSO]-Type Iron(III) Complexes for the Low-Pressure Reaction of Carbon Dioxide with Epoxides: Catalytic Activity, Reaction Kinetics, and Computational Study. <i>ACS Catalysis</i> , 2018, 8, 6882-6893.	11.2	103
93	Precise Activation of Ammonia and Carbon Dioxide by an Iminodisilene. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14575-14579.	13.8	57
94	CO ₂ to methanol conversion using hydride terminated porous silicon nanoparticles. <i>Chemical Communications</i> , 2017, 53, 3114-3117.	4.1	36
95	Sustainable, Stereoregular, and Optically Active Polyamides via Cationic Polymerization of $\hat{\mu}$ -Lactams Derived from the Terpene $\hat{\mu}$ -Pinene. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1600787.	3.9	35
96	Polymer-silicon nanosheet composites: bridging the way to optoelectronic applications. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 135106.	2.8	14
97	CO ₂ -Controlled One-Pot Synthesis of AB, ABA Block, and Statistical Terpolymers from $\hat{\mu}$ -Butyrolactone, Epoxides, and CO ₂ . <i>Journal of the American Chemical Society</i> , 2017, 139, 6787-6790.	13.7	131
98	Diaryliodonium salts as hydrosilylation initiators for the surface functionalization of silicon nanomaterials and their collaborative effect as ring opening polymerization initiators. <i>Nanoscale</i> , 2017, 9, 7739-7744.	5.6	11
99	Twist of a Silicon-Silicon Double Bond: Selective <i>Anti</i> -Addition of Hydrogen to an Iminodisilene. <i>Journal of the American Chemical Society</i> , 2017, 139, 9156-9159.	13.7	73
100	From Si(II) to Si(IV) and Back: Reversible Intramolecular Carbon-Carbon Bond Activation by an Acyclic Iminosilylene. <i>Journal of the American Chemical Society</i> , 2017, 139, 8134-8137.	13.7	154
101	In situ IR-spectroscopy as a tool for monitoring the radical hydrosilylation process on silicon nanocrystal surfaces. <i>Nanoscale</i> , 2017, 9, 8489-8495.	5.6	7
102	Titanocenes in Olefin Polymerization: Sustainable Catalyst System or an Extinct Species?. <i>Organometallics</i> , 2017, 36, 1408-1418.	2.3	21
103	Lewis Acid Induced Functionalization of Photoluminescent 2D Silicon Nanosheets for the Fabrication of Functional Hybrid Films. <i>Advanced Functional Materials</i> , 2017, 27, 1606764.	14.9	20
104	First clinical results of minimally invasive vector lumbar interbody fusion (MIS-VLIF) in spondylodiscitis and concomitant osteoporosis: a technical note. <i>European Spine Journal</i> , 2017, 26, 3147-3155.	2.2	6
105	Branched siloxanes as possible new heat transfer fluids for application in parabolic through solar thermal power plants. <i>Solar Energy Materials and Solar Cells</i> , 2017, 161, 278-284.	6.2	10
106	Ultrarigid Indenyl-based Hafnocene Complexes for the Highly Iselective Polymerization of Propene: Tunable Polymerization Performance Adopting Various Sterically Demanding 4-Aryl Substituents. <i>Organometallics</i> , 2017, 36, 399-408.	2.3	22
107	Core-First Synthesis of Three-Armed Star-Shaped Polymers by Rare Earth Metal-Mediated Group Transfer Polymerization. <i>Macromolecules</i> , 2017, 50, 6569-6576.	4.8	25
108	Effects of Preoperative Simulation on Minimally Invasive Hybrid Lumbar Interbody Fusion. <i>World Neurosurgery</i> , 2017, 106, 578-588.	1.3	7

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109	Toolbox of Nonmetallocene Lanthanides: Multifunctional Catalysts in Group-Transfer Polymerization. <i>Inorganic Chemistry</i> , 2017, 56, 9754-9764.	4.0	30
110	Chemisorption of CO ₂ by chitosan oligosaccharide/DMSO: organic carbamate-carbonate bond formation. <i>Green Chemistry</i> , 2017, 19, 4305-4314.	9.0	42
111	From elastomers to thermoplasts – Precise control of isotactic propylene structure and properties and the role of different structural elements in its mechanical behaviour. <i>Polymer</i> , 2017, 133, 213-222.	3.8	10
112	Silicon and Oxygen's Bond of Affection: An Acyclic Three-Coordinate Silanone and Its Transformation to an Iminosiloxysilylene. <i>Journal of the American Chemical Society</i> , 2017, 139, 17193-17198.	13.7	119
113	Enzymatic degradation of synthetic poly(3-hydroxybutyrates) as a tool for combinatorial microstructure determination. <i>Polymer Degradation and Stability</i> , 2017, 143, 176-185.	5.8	2
114	Pentaerythritol-Based Molecular Sorbent for CO ₂ Capturing: A Highly Efficient Wet Scrubbing Agent Showing Proton Shuttling Phenomenon. <i>Energy & Fuels</i> , 2017, 31, 8407-8414.	5.1	22
115	A Lewis acid η^2 -diiminato-zinc-complex as all-rounder for co- and terpolymerisation of various epoxides with carbon dioxide. <i>Chemical Science</i> , 2017, 8, 1876-1882.	7.4	89
116	Copolymers of polyhydroxyalkanoates and polyethylene glycols: recent advancements with biological and medical significance. <i>Polymer International</i> , 2017, 66, 497-503.	3.1	23
117	Copolymerization of Alkenes and Polar Monomers by Early and Late Transition Metal Catalysts. , 2016, , .		1
118	Silicon Nanocrystals and Silicon-Polymer Hybrids: Synthesis, Surface Engineering, and Applications. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2322-2339.	13.8	218
119	Macromol. Rapid Commun. 10/2016. <i>Macromolecular Rapid Communications</i> , 2016, 37, 876-876.	3.9	2
120	Lamellar Diblock Copolymer Films with Embedded Maghemite Nanoparticles. <i>Advanced Materials Interfaces</i> , 2016, 3, 1500712.	3.7	7
121	Sustainable Chiral Polyamides with High Melting Temperature via Enhanced Anionic Polymerization of a Menthone-Derived Lactam. <i>Macromolecular Rapid Communications</i> , 2016, 37, 851-857.	3.9	39
122	Grafting Poly(3-hexylthiophene) from Silicon Nanocrystal Surfaces: Synthesis and Properties of a Functional Hybrid Material with Direct Interfacial Contact. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7393-7397.	13.8	12
123	Enhancing tumor apparent diffusion coefficient histogram skewness stratifies the postoperative survival in recurrent glioblastoma multiforme patients undergoing salvage surgery. <i>Journal of Neuro-Oncology</i> , 2016, 127, 551-557.	2.9	12
124	Gated Channels and Selectivity Tuning of CO ₂ over N ₂ Sorption by Post-Synthetic Modification of a UiO-66 Type Metal-Organic Framework. <i>Chemistry - A European Journal</i> , 2016, 22, 12800-12807.	3.3	46
125	Multiresponsive micellar block copolymers from 2-vinylpyridine and dialkylvinylphosphonates with a tunable lower critical solution temperature. <i>RSC Advances</i> , 2016, 6, 78750-78754.	3.6	16
126	Synthesis of Diisocyanate-Containing Thiophenes and Their Use in PDMS-Based Segmented Polymers. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 59-71.	2.2	6

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127	One-Step Synthesis of Photoluminescent Covalent Polymeric Nanocomposites from 2D Silicon Nanosheets. <i>Advanced Functional Materials</i> , 2016, 26, 6711-6718.	14.9	23
128	Borata-Alkene Derived Syntheses of (F ₅ C ₆) ₂ B-Substituted Bis(indenyl) Group 4 Metal Complexes. <i>Organometallics</i> , 2016, 35, 2689-2693.	2.3	13
129	2-Methoxyethylamino-bis(phenolate)yttrium Catalysts for the Synthesis of Highly Isotactic Poly(2-vinylpyridine) by Rare-Earth Metal-Mediated Group Transfer Polymerization. <i>Macromolecules</i> , 2016, 49, 6260-6267.	4.8	33
130	Next Generation Multiresponsive Nanocarriers for Targeted Drug Delivery to Cancer Cells. <i>Chemistry - A European Journal</i> , 2016, 22, 14576-14584.	3.3	26
131	Suppression of Deactivation Processes in Photocatalytic Reduction of CO ₂ Using Pulsed Light. <i>ChemCatChem</i> , 2016, 8, 2688-2695.	3.7	10
132	Biobased Polyamides: Recent Advances in Basic and Applied Research. <i>Macromolecular Rapid Communications</i> , 2016, 37, 1391-1413.	3.9	193
133	Template mediated and solvent-free route to a variety of UiO-66 metal-organic frameworks. <i>RSC Advances</i> , 2016, 6, 102968-102971.	3.6	34
134	Polysilanes, Polycarbosilanes, Dioxadisilacyclohexane, and Polysiloxanes. , 2016, , 275-293.		1
135	Poly(ester amide)s: recent insights into synthesis, stability and biomedical applications. <i>Polymer Chemistry</i> , 2016, 7, 7039-7046.	3.9	102
136	Radical-Induced Hydrosilylation Reactions for the Functionalization of Two-Dimensional Hydride Terminated Silicon Nanosheets. <i>Chemistry - A European Journal</i> , 2016, 22, 6194-6198.	3.3	35
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