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List of Publications by Year
in descending order

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64 papers	2,705 citations	201674 27 h-index	182427 51 g-index
70 all docs	70 docs citations	70 times ranked	4293 citing authors

#	Article	IF	Citations
1	Nanocarriers Made of Proteins: Intracellular Visualization of a Smart Biodegradable Drug Delivery System. Small, 2022, 18, e2106094.	10.0	4
2	Aerobic Photobiocatalysis Enabled by Combining Coreâ€“Shell Nanophotoreactors and Native Enzymes. Journal of the American Chemical Society, 2022, 144, 7320-7326.	13.7	26
3	The Diatom Peptide R5 Fabricates Two-Dimensional Titanium Dioxide Nanosheets. Journal of Physical Chemistry Letters, 2022, 13, 5025-5029.	4.6	2
4	In Situ Assembly of Platinum(II)-Metallopeptide Nanostructures Disrupts Energy Homeostasis and Cellular Metabolism. Journal of the American Chemical Society, 2022, 144, 12219-12228.	13.7	20
5	Self-sustaining enzyme nanocapsules perform on-site chemical reactions. Nanoscale, 2021, 13, 4051-4059.	5.6	11
6	Biodegradable Harmonophores for Targeted High-Resolution In Vivo Tumor Imaging. ACS Nano, 2021, 15, 4144-4154.	14.6	11
7	Intrinsisch ungeordnete Osteopontinâ€Fragmente ordnen sich wÃhrend der interfazialen Calciumoxalatâ€Mineralisierung. Angewandte Chemie, 2021, 133, 18725-18729.	2.0	0
8	Intrinsically Disordered Osteopontin Fragment Orders During Interfacial Calcium Oxalate Mineralization. Angewandte Chemie - International Edition, 2021, 60, 18577-18581.	13.8	6
9	Terpyridine-Induced Folding of Anisotropic Polyphosphoester Platelets. ACS Polymers Au, 2021, 1, 123-130.	4.1	1
10	Polymer defect engineering â€“ conductive 2D organic platelets from precise thiophene-doped polyethylene. Polymer Chemistry, 2021, 12, 2045-2053.	3.9	1
11	Thermoresponsive polymers as macromolecular coordination ligands: complexation-dependence of thermally induced aggregation in aqueous solution. Polymer Chemistry, 2021, 12, 5598-5612.	3.9	1
12	Triple-target stimuli-responsive anti-COVID-19 face mask with physiological virus-inactivating agents. Biomaterials Science, 2021, 9, 6052-6063.	5.4	10
13	RNA-inspired intramolecular transesterification accelerates the hydrolysis of polyethylene-like polyphosphoesters. Chemical Science, 2021, 12, 16054-16064.	7.4	12
14	A bio-orthogonal functionalization strategy for site-specific coupling of antibodies on vesicle surfaces after self-assembly. Polymer Chemistry, 2020, 11, 527-540.	3.9	31
15	Water-dispersed semiconductor nanoplatelets with high fluorescence brightness, chemical and colloidal stability. Journal of Materials Chemistry B, 2020, 8, 146-154.	5.8	17
16	Controlling protein interactions in blood for effective liver immunosuppressive therapy by silica nanocapsules. Nanoscale, 2020, 12, 2626-2637.	5.6	26
17	Continuous-Flow Production of Perfluorocarbon-Loaded Polymeric Nanoparticles: From the Bench to Clinic. ACS Applied Materials & Interfaces, 2020, 12, 49335-49345.	8.0	20
18	The inorganic polymer, polyphosphate, blocks binding of SARS-CoV-2 spike protein to ACE2 receptor at physiological concentrations. Biochemical Pharmacology, 2020, 182, 114215.	4.4	51

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19	Variation in intraocular lens calcification under different environmental conditions in eyes with supplementary sulcus-supported lenses. American Journal of Ophthalmology Case Reports, 2020, 19, 100797.	0.7	11
20	Nanoparticle-directed and ionically forced polyphosphate coacervation: a versatile and reversible coreâ€“shell system for drug delivery. Scientific Reports, 2020, 10, 17147.	3.3	18
21	Controlled Supramolecular Assembly Inside Living Cells by Sequential Multistaged Chemical Reactions. Journal of the American Chemical Society, 2020, 142, 15780-15789.	13.7	59
22	Tuning the size and morphology of P3HT/PCBM composite nanoparticles: towards optimized water-processable organic solar cells. Nanoscale, 2020, 12, 22798-22807.	5.6	10
23	Defect engineering of polyethylene-like polyphosphoesters: solid-state NMR characterization and surface chemistry of anisotropic polymer nanoplatelets. Polymer Chemistry, 2020, 11, 7235-7243.	3.9	5
24	Controlling the crystal structure of precisely spaced polyethylene-like polyphosphoesters. Polymer Chemistry, 2020, 11, 3404-3415.	3.9	13
25	Facile Solutions to the Problems Associated with Chemical Information and Mathematical Symbolism While Using Machine Translation Tools. Journal of Chemical Information and Modeling, 2020, 60, 3423-3430.	5.4	0
26	Vitamin C Loaded Polyethylene: Synthesis and Properties of Precise Polyethylene with Vitamin C Defects via Acyclic Diene Metathesis Polycondensation. Macromolecules, 2020, 53, 2932-2941.	4.8	5
27	Aliphatic Long-Chain Polypyrophosphates as Biodegradable Polyethylene Mimics. Macromolecules, 2019, 52, 1166-1172.	4.8	15
28	Peptide-Controlled Assembly of Macroscopic Calcium Oxalate Nanosheets. Journal of Physical Chemistry Letters, 2019, 10, 2170-2174.	4.6	18
29	Long-Chain Polyorthoesters as Degradable Polyethylene Mimics. Macromolecules, 2019, 52, 2411-2420.	4.8	45
30	High-Contrast Imaging of Nanodiamonds in Cells by Energy Filtered and Correlative Light-Electron Microscopy: Toward a Quantitative Nanoparticle-Cell Analysis. Nano Letters, 2019, 19, 2178-2185.	9.1	40
31	Highly Loaded Semipermeable Nanocapsules for Magnetic Resonance Imaging. Macromolecular Bioscience, 2018, 18, e1700387.	4.1	13
32	Is Machine Translation a Reliable Tool for Reading German Scientific Databases and Research Articles?. Journal of Chemical Information and Modeling, 2018, 58, 2214-2223.	5.4	14
33	Exploiting the biomolecular corona: pre-coating of nanoparticles enables controlled cellular interactions. Nanoscale, 2018, 10, 10731-10739.	5.6	101
34	Transformation of Amorphous Polyphosphate Nanoparticles into Coacervate Complexes: An Approach for the Encapsulation of Mesenchymal Stem Cells. Small, 2018, 14, e1801170.	10.0	47
35	CeO_{2â^'x} nanorods with intrinsic urease-like activity. Nanoscale, 2018, 10, 13074-13082.	5.6	59
36	Pre-adsorption of antibodies enables targeting of nanocarriers despite a biomolecular corona. Nature Nanotechnology, 2018, 13, 862-869.	31.5	210

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37	Visualization of the protein corona: towards a biomolecular understanding of nanoparticle-cell-interactions. Nanoscale, 2017, 9, 8858-8870.	5.6	203
38	STED Analysis of Droplet Deformation during Emulsion Electrospinning. Macromolecular Chemistry and Physics, 2017, 218, 1600547.	2.2	11
39	A Nanocapsuleâ€Based Approach Toward Physical Thermolatent Catalysis. Advanced Materials, 2016, 28, 6372-6377.	21.0	5
40	In-Chain Poly(phosphonate)s via Acyclic Diene Metathesis Polycondensation. Macromolecules, 2016, 49, 3761-3768.	4.8	29
41	Imaging of Polymeric Nanoparticles: Hard Challenge for Soft Objects. Macromolecular Chemistry and Physics, 2016, 217, 1879-1885.	2.2	33
42	Side-chain poly(phosphoramidate)s via acyclic diene metathesis polycondensation. Polymer Chemistry, 2016, 7, 5004-5010.	3.9	19
43	Morphology and Thermal Properties of Precision Polymers: The Crystallization of Butyl Branched Polyethylene and Polyphosphoesters. Macromolecules, 2016, 49, 1321-1330.	4.8	38
44	Non-aqueous synthesis of blue light emitting Î³-Ga2O3 and c-In2O3 nanostructures from their ethylene glycolate precursors. Materials Letters, 2015, 161, 112-116.	2.6	8
45	Macromol. Rapid Commun. 23/2014. Macromolecular Rapid Communications, 2014, 35, 2044-2044.	3.9	0
46	Decreasing the Alkyl Branch Frequency in Precision Polyethylene: Effect of Alkyl Branch Size on Nanoscale Morphology. Macromolecules, 2012, 45, 3367-3376.	4.8	66
47	Improvement of cyclability of Si as anode for Li-ion batteries. Journal of Power Sources, 2009, 192, 644-651.	7.8	159
48	Characterization of the uptake of aqueous Ni2+ ions on nanoparticles of zero-valent iron (nZVI). Desalination, 2009, 249, 1048-1054.	8.2	81
49	Assemblies of Double Hydrophilic Block Copolymers and Oppositely Charged Dendrimers. Langmuir, 2009, 25, 1345-1351.	3.5	31
50	Morphology, mechanical, and thermal properties of aramid/layered silicate nanocomposite materials. Journal of Materials Research, 2008, 23, 2296-2304.	2.6	8
51	An electron microscopic investigation of structural variation of V2O5 fibers after working as ethanol sensors. Applied Physics Letters, 2008, 93, 173510.	3.3	3
52	Optical Properties of Composites of PMMA and Surface-Modified Zincite Nanoparticles. Macromolecules, 2007, 40, 1089-1100.	4.8	184
53	Î± and Î² Interfacial Structures of the iPP/PET Matrix/Fiber Systems. Macromolecules, 2007, 40, 8244-8249.	4.8	41
54	Equilibrium Length and Shape of Rodlike Polyelectrolyte Micelles in Dilute Aqueous Solutions. Macromolecules, 2007, 40, 105-115.	4.8	47

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55	One-Dimensional Porous Carbon/Platinum Composites for Nanoscale Electrodes. Angewandte Chemie - International Edition, 2007, 46, 3464-3467.	13.8	58
56	Melt-Processed Polyfluorene Nanowires as Active Waveguides. Small, 2007, 3, 1178-1183.	10.0	133
57	Nonhydrolytic Alcoholysis Route to Morphology-Controlled ZnO Nanocrystals. Small, 2007, 3, 1194-1199.	10.0	51
58	Microcavity effects and optically pumped lasing in single conjugated polymer nanowires. Nature Nanotechnology, 2007, 2, 180-184.	31.5	379
59	Synthesis of Dumbbell-Shaped Manganese Oxide Nanocrystals. Journal of Physical Chemistry B, 2006, 110, 2-4.	2.6	68
60	Simple, One-Step Synthesis of Gold Nanowires in Aqueous Solution. Langmuir, 2005, 21, 12399-12403.	3.5	53
61	Microstructured Ultrathin HDPE Films Prepared by Selective Oriented Recrystallization. Journal of Macromolecular Science - Physics, 2003, 42, 641-652.	1.0	13
62	Morphology and Melting Behavior of Lamellar Overgrowths after Heat Treatments of Isotactic Polystyrene. Macromolecular Chemistry and Physics, 2001, 202, 2921-2925.	2.2	8
63	Nanostructured Polymer Films by Electron-Beam Irradiation and Selective Metallization. Advanced Materials, 1998, 10, 997-1001.	21.0	3
64	Poly(3â€hexylthiophene) stabilized ultrafine nickel oxide nanoparticles as superior electrocatalyst for oxygen evolution reaction: Catalyst design through synergistic combination of <scp>Ï€</scp> â€conjugated polymers and metalâ€based nanoparticles. Journal of Applied Polymer Science, 0, , .	2.6	0