

Kun Liu

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8589385/kun-liu-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

78
papers

2,956
citations

28
h-index

53
g-index

84
ext. papers

3,346
ext. citations

10.8
avg, IF

5.01
L-index

#	Paper	IF	Citations
78	Step-growth polymerization of inorganic nanoparticles. <i>Science</i> , 2010 , 329, 197-200	33.3	422
77	Probing dynamic generation of hot-spots in self-assembled chains of gold nanorods by surface-enhanced Raman scattering. <i>Journal of the American Chemical Society</i> , 2011 , 133, 7563-70	16.4	228
76	Self-assembly of inorganic nanorods. <i>Chemical Society Reviews</i> , 2011 , 40, 656-71	58.5	219
75	A polyferroplatinyne precursor for the rapid fabrication of L1(0) -FePt-type bit patterned media by nanoimprint lithography. <i>Advanced Materials</i> , 2012 , 24, 1034-40	24	126
74	Nanostructured magnetic thin films from organometallic block copolymers: pyrolysis of self-assembled polystyrene-block-poly(ferrocenylethylmethylsilane). <i>ACS Nano</i> , 2008 , 2, 263-70	16.7	119
73	Close-packed superlattices of side-by-side assembled Au-CdSe nanorods. <i>Nano Letters</i> , 2009 , 9, 3077-81	11.5	113
72	Imparting Catalytic Activity to a Covalent Organic Framework Material by Nanoparticle Encapsulation. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 7481-7488	9.5	104
71	Shell-cross-linked cylindrical Polyisoprene-b-polyferrocenylsilane (PI-b-PFS) block copolymer micelles: one-dimensional (1D) organometallic nanocylinders. <i>Journal of the American Chemical Society</i> , 2007 , 129, 5630-9	16.4	99
70	Synthesis and lithographic patterning of FePt nanoparticles using a bimetallic metallopolyne precursor. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 1255-9	16.4	98
69	Fabrication of Continuous and Segmented Polymer/Metal Oxide Nanowires Using Cylindrical Micelles and Block Copolymers as Templates. <i>Advanced Materials</i> , 2009 , 21, 1805-1808	24	94
68	Jointly tuned plasmonic-excitonic photovoltaics using nanoshells. <i>Nano Letters</i> , 2013 , 13, 1502-8	11.5	89
67	Polypyrrole-coated chainlike gold nanoparticle architectures with the 808 nm photothermal transduction efficiency up to 70%. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 5860-8	9.5	75
66	Microfluidic study of fast gas-liquid reactions. <i>Journal of the American Chemical Society</i> , 2012 , 134, 3127-32.4	32.4	74
65	Enhanced optical asymmetry in supramolecular chiroplasmonic assemblies with long-range order. <i>Science</i> , 2021 , 371, 1368-1374	33.3	66
64	Copolymerization of metal nanoparticles: a route to colloidal plasmonic copolymers. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 2648-53	16.4	62
63	Chiral Plasmonic Nanochains via the Self-Assembly of Gold Nanorods and Helical Glutathione Oligomers Facilitated by Cetyltrimethylammonium Bromide Micelles. <i>ACS Nano</i> , 2017 , 11, 3463-3475	16.7	61
62	Controlling the degree of polymerization, bond lengths, and bond angles of plasmonic polymers. <i>Journal of the American Chemical Society</i> , 2012 , 134, 18853-9	16.4	61

61	In situ plasmonic counter for polymerization of chains of gold nanorods in solution. <i>ACS Nano</i> , 2013 , 7, 5901-10	16.7	52
60	Pyrolysis of Highly Metallized Polymers: Ceramic Thin Films Containing Magnetic CoFe Alloy Nanoparticles from a Polyferrocenylsilane with Pendant Cobalt Clusters. <i>Chemistry of Materials</i> , 2006 , 18, 2591-2601	9.6	52
59	Standing arrays of gold nanorods end-tethered with polymer ligands. <i>Small</i> , 2012 , 8, 731-7	11	49
58	Janus Si micropillar arrays with thermal-responsive anisotropic wettability for manipulation of microfluid motions. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 376-82	9.5	41
57	Photoinduced charge-transfer dissociation in van der Waals complexes. II. Na ₂ ...ClCH ₃ , Na ₂ ...(ClCH ₃) ₂ , and Na...FPh. <i>Journal of Chemical Physics</i> , 1993 , 98, 5431-5443	3.9	37
56	Highly Ordered Magnetic Ceramic Nanorod Arrays from a Polyferrocenylsilane by Nanoimprint Lithography with Anodic Aluminum Oxide Templates. <i>Chemistry of Materials</i> , 2009 , 21, 1781-1783	9.6	35
55	Polymer-Directed Growth of Plasmonic Aluminum Nanocrystals. <i>Journal of the American Chemical Society</i> , 2018 , 140, 15412-15418	16.4	33
54	A detour strategy for colloidally stable block-copolymer grafted MAPbBr quantum dots in water with long photoluminescence lifetime. <i>Nanoscale</i> , 2018 , 10, 5820-5826	7.7	32
53	Salt-mediated kinetics of the self-assembly of gold nanorods end-tethered with polymer ligands. <i>Nanoscale</i> , 2012 , 4, 6574-80	7.7	32
52	Pyrolysis of Polycarbosilanes with Pendant Nickel Clusters: Synthesis and Characterization of Magnetic Ceramics Containing Nickel and Nickel Silicide Nanoparticles. <i>Chemistry of Materials</i> , 2007 , 19, 2630-2640	9.6	29
51	Synthesis and Liquid-Crystal Behavior of Bent Colloidal Silica Rods. <i>Journal of the American Chemical Society</i> , 2016 , 138, 68-71	16.4	28
50	Anisotropic Janus Si nanopillar arrays as a microfluidic one-way valve for gas-liquid separation. <i>Nanoscale</i> , 2014 , 6, 3846-53	7.7	28
49	Synthesis and Lithographic Patterning of Polycarbosilanes with Pendant Cobalt Carbonyl Clusters. <i>Macromolecules</i> , 2005 , 38, 2023-2026	5.5	28
48	Chiral Self-Assembly of Nanoparticles Induced by Polymers Synthesized via Reversible Addition-Fragmentation Chain Transfer Polymerization. <i>ACS Nano</i> , 2019 , 13, 1479-1489	16.7	26
47	Unique Gold Nanorods Embedded Active Layer Enabling Strong Plasmonic Effect To Improve the Performance of Polymer Photovoltaic Devices. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 6198-6205	3.8	26
46	Photoinduced charge-transfer dissociation in van der Waals complexes: Na ₂ ...[C(CH ₃) ₃] _n . <i>Journal of Chemical Physics</i> , 1992 , 96, 8628-8630	3.9	24
45	A non-sacrificial method for the quantification of poly(ethylene glycol) grafting density on gold nanoparticles for applications in nanomedicine. <i>Chemical Science</i> , 2019 , 10, 2067-2074	9.4	19
44	Phase behaviors of colloidal analogs of bent-core liquid crystals. <i>Science Advances</i> , 2018 , 4, eaas8829	14.3	19

43	Gold Nanotetrapods with Unique Topological Structure and Ultranarrow Plasmonic Band as Multifunctional Therapeutic Agents. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 4505-4510	6.4	18
42	Copolymerization of Metal Nanoparticles: A Route to Colloidal Plasmonic Copolymers. <i>Angewandte Chemie</i> , 2014 , 126, 2686-2691	3.6	18
41	Donor-Acceptor C60-Containing Polyferrocenylsilanes: Synthesis, Characterization, and Applications in Photodiode Devices. <i>Advanced Functional Materials</i> , 2008 , 18, 470-477	15.6	18
40	Controlled assembly of fluorescent multilayers from an aqueous solution of CdTe nanocrystals and nonionic carbazole-containing copolymers. <i>Journal of Materials Chemistry</i> , 2003 , 13, 1356		17
39	Accounting for inhomogeneous broadening in nano-optics by electromagnetic modeling based on Monte Carlo methods. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E639-44	11.5	16
38	Photodirected Morphing Structures of Nanocomposite Shape Memory Hydrogel with High Stiffness and Toughness. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 43631-43640	9.5	15
37	Synthesis, photophysics and pyrolytic ceramization of a platinum(II)-containing poly(germylacetylene) polymer. <i>Journal of Organometallic Chemistry</i> , 2013 , 744, 165-171	2.3	15
36	Synthesis and assembly of colloidal cuboids with tunable shape biaxiality. <i>Nature Communications</i> , 2018 , 9, 4513	17.4	12
35	Ag nanoparticle/polymer composite barcode nanorods. <i>Nano Research</i> , 2015 , 8, 2871-2880	10	11
34	Ultrathin stimuli-responsive polymer film-based optical sensor for fast and visual detection of hazardous organic solvents. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 10861-10869	7.1	10
33	Colloidal stability of nanoparticles stabilized with mixed ligands in solvents with varying polarity. <i>Chemical Communications</i> , 2020 , 56, 8131-8134	5.8	9
32	Synthesis and Multipole Plasmon Resonances of Spherical Aluminum Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 5836-5843	6.4	7
31	Synergistic Reducing Effect for Synthesis of Well-Defined Au Nanooctopods With Ultra-Narrow Plasmon Band Width and High Photothermal Conversion Efficiency. <i>Frontiers in Chemistry</i> , 2018 , 6, 335	5	7
30	Gold Nanoparticle Enantiomers and Their Chiral-Morphology Dependence of Cellular Uptake. <i>CCS Chemistry</i> , 773-783	7.2	7
29	Synthesis and Lithographic Patterning of FePt Nanoparticles Using a Bimetallic Metallopolyyne Precursor. <i>Angewandte Chemie</i> , 2008 , 120, 1275-1279	3.6	6
28	Serum albumin guided plasmonic nanoassemblies with opposite chiralities. <i>Soft Matter</i> , 2021 , 17, 6298-6304	3.04	6
27	Polymers via Reversible Addition-Fragmentation Chain Transfer Polymerization with High Thiol End-Group Fidelity for Effective Grafting-To Gold Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 4713-4721	6.4	5
26	Solvent-Evaporation Induced and Mechanistic Entropy-Enthalpy-Balance Controlled Polymer Patch Formation on Nanoparticle Surfaces. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 7100-7105	6.4	5

25	Entropy-driven self-assembly of chiral nematic liquid crystalline phases of AgNR@Cu ₂ O hyper branched coaxial nanorods and thickness-dependent handedness transition. <i>Nano Research</i> , 2018 , 11, 1018-1028	10	5
24	Biocompatible Polymers for the Synthesis of Nanosalts via Supramolecular Ion-Dipole Interaction. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 6569-6573	5.7	4
23	In vivo mice brain microcirculation monitoring based on contrast-enhanced SD-OCT. <i>Journal of Innovative Optical Health Sciences</i> , 2019 , 12, 1950001	1.2	4
22	Poly(Ethylene Oxide) Mediated Synthesis of Sub-100-nm Aluminum Nanocrystals for Deep Ultraviolet Plasmonic Nanomaterials. <i>CCS Chemistry</i> , 2020 , 2, 516-526	7.2	4
21	Patterning of polyoxometalate rings on gold nanorods. <i>Chemical Communications</i> , 2020 , 56, 1677-1680	5.8	4
20	General criteria for evaluating suitable polymer ligands for the synthesis of aluminum nanocrystals. <i>Chemical Communications</i> , 2019 , 56, 217-220	5.8	4
19	In Situ Seed-Mediated Growth of Polymer-Grafted Gold Nanoparticles. <i>Langmuir</i> , 2020 , 36, 789-795	4	4
18	Competition between Ring-Closing Migratory Insertion Polymerization and Monomer Cyclization. <i>Organometallics</i> , 2020 , 39, 2991-2997	3.8	3
17	Two-dimensional polymers with versatile functionalities via gemini monomers. <i>Science Advances</i> , 2019 , 5, eaaw9120	14.3	3
16	Polymer Grafted Aluminum Nanoparticles for Percolative Composite Films with Enhanced Compatibility. <i>Polymers</i> , 2019 , 11,	4.5	2
15	Nanoimprint Lithography: A Polyferroplatinyne Precursor for the Rapid Fabrication of L10-FePt-type Bit Patterned Media by Nanoimprint Lithography (Adv. Mater. 8/2012). <i>Advanced Materials</i> , 2012 , 24, 1033-1033	24	2
14	Tuning the Chiral Morphology of Gold Nanoparticles with Oligomeric Gold-Glutathione Complexes. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 10708-10715	3.8	2
13	EtOH-Mediated Double-Shell Polyethylene Glycol Brushes on Nanoparticles for Improved Stealth Properties and Delivery Efficiency. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 5363-5370	6.4	2
12	Ring Size-Dependent Solution Behavior of Macrocycles: Dipole-Dipole Attraction Counteracted by Excluded Volume Repulsion. <i>Macromolecules</i> , 2021 , 54, 7441-7447	5.5	2
11	Generation of a GF11-flag knock-in human embryonic stem cell line using CRISPR-Cas9 technology.. <i>Stem Cell Research</i> , 2022 , 60, 102724	1.6	2
10	Nanocrystal superlattices: No need to wait. <i>Nature Materials</i> , 2017 , 16, 883-884	27	1
9	Polymerization-Induced Reassembly of Gemini Molecules toward Generating Porous Two-Dimensional Polymers. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 2340-2347	6.4	1
8	The Role of Tumor Stem Cell Exosomes in Cancer Invasion and Metastasis.. <i>Frontiers in Oncology</i> , 2022 , 12, 836548	5.3	1

- 7 Nilotinib related acute myocardial infarction with nonobstructive coronary arteries: a case report and literature review.. *BMC Cardiovascular Disorders*, **2022**, 22, 46 2.3 ○
- 6 Therapeutic Antitumor Efficacy of Cancer Stem Cell-Derived DRibble Vaccine on Colorectal Carcinoma. *International Journal of Medical Sciences*, **2021**, 18, 3249-3260 3.7 ○
- 5 Dopamine Functionalized Polyethylene Glycol for Improving Stability of Gold Nanoparticles Against Reactive Oxygen Species in Serum.. *Macromolecular Rapid Communications*, **2022**, e2200035 4.8 ○
- 4 Synthesis, Self-Assembly, and Applications of Amphiphilic Janus and Triblock Janus Nanoparticle Analogs **2017**, 233-275
- 3 Titelbild: Copolymerization of Metal Nanoparticles: A Route to Colloidal Plasmonic Copolymers (Angew. Chem. 10/2014). *Angewandte Chemie*, **2014**, 126, 2545-2545 3.6
- 2 Supracolloidal Self-Assembly of Micro-Hosts and -Guests on Substrates. *Journal of Inorganic and Organometallic Polymers and Materials*, **2017**, 27, 110-118 3.2
- 1 Polyanomers from Polymerization of Inorganic Nanoparticles **2016**,