

# Lehui Lu

## List of Publications by Year in Descending Order

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**Version:** 2024-04-19

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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.

79  
papers

11,032  
citations

38  
h-index

82  
g-index

82  
ext. papers

12,433  
ext. citations

11.9  
avg, IF

6.81  
L-index

#	Paper	IF	Citations
79	Si-assisted N, P Co-doped room temperature phosphorescent carbonized polymer Dots: Information Encryption, graphic Anti-counterfeiting and biological imaging.. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 609, 279-288	9.3	4
78	An All-in-One Organic Semiconductor for Targeted Photoxidation Catalysis in Hypoxic Tumor. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 16777-16784	3.6	2
77	An All-in-One Organic Semiconductor for Targeted Photoxidation Catalysis in Hypoxic Tumor. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 16641-16648	16.4	12
76	Nanoparticles: Untying the Gordian Knot in Conventional Computed Tomography Imaging. <i>CCS Chemistry</i> , <b>2021</b> , 3, 1242-1257	7.2	2
75	Defect Engineering Enables Synergistic Action of Enzyme-Mimicking Active Centers for High-Efficiency Tumor Therapy. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 8855-8865	16.4	37
74	Hierarchically porous polymers with ultra-high affinity for bisphenol A enables high efficient water purification. <i>Science China Chemistry</i> , <b>2021</b> , 64, 1389-1400	7.9	2
73	Mitochondria-Targeting Enhanced Phototherapy by Intrinsic Characteristics Engineered "One-for-All" Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 35568-35578	9.5	2
72	Targeted Engineering of Medicinal Chemistry for Cancer Therapy: Recent Advances and Perspectives. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 5626-5643	16.4	13
71	Zielgerichtete Wirkstoffe für die Krebstherapie: Aktuelle Entwicklungen und Perspektiven. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 5686-5705	3.6	1
70	Wearable and Biodegradable Sensors for Human Health Monitoring.. <i>ACS Applied Bio Materials</i> , <b>2021</b> , 4, 122-139	4.1	24
69	Host-guest interaction-mediated nanointerface engineering for radioiodine capture. <i>Nano Today</i> , <b>2021</b> , 36, 101034	17.9	11
68	On-demand degradable magnetic resonance imaging nanoprobe. <i>Science Bulletin</i> , <b>2021</b> , 66, 676-684	10.6	4
67	Unveiling the Role of Hydroxyl Architecture on Polysulfide Trapping for High-Performance Lithium-Sulfur Batteries. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 4023-4032	6.1	3
66	Porous Cyclodextrin nanotubular assemblies enable high-efficiency removal of bisphenol micropollutants from aquatic systems. <i>Nano Research</i> , <b>2020</b> , 13, 1933-1942	10	13
65	Polypyrrole-based double rare earth hybrid nanoparticles for multimodal imaging and photothermal therapy. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 426-437	7.3	8
64	Delineating the tumor margin with intraoperative surface-enhanced Raman spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , <b>2019</b> , 411, 3993-4006	4.4	11
63	Flame-retardant porous hexagonal boron nitride for safe and effective radioactive iodine capture. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 16850-16858	13	36

62	Hydrogen bond-mediated strong adsorbent B <sub>2</sub> O <sub>3</sub> interactions enable high-efficiency radioiodine capture. <i>Materials Horizons</i> , <b>2019</b> , 6, 1517-1525	14.4	27
61	A C N Nanoparticle Based Direct Nucleus Delivery Platform for Synergistic Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 6290-6294	16.4	43
60	A C5N2 Nanoparticle Based Direct Nucleus Delivery Platform for Synergistic Cancer Therapy. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 6356-6360	3.6	7
59	Nanoscaled porphyrinic metal-organic framework for photodynamic/photothermal therapy of tumor. <i>Electrophoresis</i> , <b>2019</b> , 40, 2204-2210	3.6	12
58	Metal-Phenolic Encapsulated Mesoporous Silica Nanoparticles for pH-Responsive Drug Delivery and Magnetic Resonance Imaging. <i>Zeitschrift Fur Physikalische Chemie</i> , <b>2018</b> , 232, 1733-1740	3.1	7
57	Direct monitoring of trace water in Li-ion batteries using fluorescence spectroscopy. <i>Chemical Science</i> , <b>2018</b> , 9, 231-237	9.4	16
56	Point-and-Shoot Strategy for Identification of Alcoholic Beverages. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 9838-9844	9.4	12
55	Transition metal Nitrogen Carbon nanostructured catalysts for the oxygen reduction reaction: From mechanistic insights to structural optimization. <i>Nano Research</i> , <b>2017</b> , 10, 1449-1470	10	122
54	Plasmonic titanium nitride nanoparticles for in vivo photoacoustic tomography imaging and photothermal cancer therapy. <i>Biomaterials</i> , <b>2017</b> , 132, 37-47	15.6	98
53	Comprehensive Insights into the Multi-Antioxidative Mechanisms of Melanin Nanoparticles and Their Application To Protect Brain from Injury in Ischemic Stroke. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 856-862	16.4	254
52	CO-based amphiphilic polycarbonate micelles enable a reliable and efficient platform for tumor imaging. <i>Theranostics</i> , <b>2017</b> , 7, 4689-4698	12.1	16
51	Inorganic layered ion-exchangers for decontamination of toxic metal ions in aquatic systems. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 19593-19606	13	47
50	Synergistic Tailoring of Electrostatic and Hydrophobic Interactions for Rapid and Specific Recognition of Lysophosphatidic Acid, an Early-Stage Ovarian Cancer Biomarker. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 11616-11621	16.4	46
49	Achieving ultrasensitive in vivo detection of bone crack with polydopamine-capsulated surface-enhanced Raman nanoparticle. <i>Biomaterials</i> , <b>2017</b> , 114, 54-61	15.6	31
48	Targeted polydopamine nanoparticles enable photoacoustic imaging guided chemo-photothermal synergistic therapy of tumor. <i>Acta Biomaterialia</i> , <b>2017</b> , 47, 124-134	10.8	170
47	A Versatile and Scalable Approach toward Robust Superhydrophobic Porous Materials with Excellent Absorbency and Flame Retardancy. <i>Scientific Reports</i> , <b>2016</b> , 6, 31233	4.9	21
46	A novel aptamer-mediated CuInS <sub>2</sub> quantum dots@graphene oxide nanocomposites-based fluorescence turn off biosensor for highly sensitive and selective detection of kanamycin. <i>RSC Advances</i> , <b>2016</b> , 6, 10205-10214	3.7	26
45	Multiplex electrochemiluminescence DNA sensor for determination of hepatitis B virus and hepatitis C virus based on multicolor quantum dots and Au nanoparticles. <i>Analytica Chimica Acta</i> , <b>2016</b> , 916, 92-101	6.6	52

44	Structural effects of a carbon matrix in non-precious metal O <sub>2</sub> -reduction electrocatalysts. <i>Chemical Society Reviews</i> , <b>2016</b> , 45, 2396-409	58.5	151
43	Polydopamine-based coordination nanocomplex for T1/T2 dual mode magnetic resonance imaging-guided chemo-photothermal synergistic therapy. <i>Biomaterials</i> , <b>2016</b> , 77, 198-206	15.6	150
42	MoS <sub>2</sub> Nanosheets with Widened Interlayer Spacing for High-Efficiency Removal of Mercury in Aquatic Systems. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 5542-5549	15.6	257
41	Targeted Imaging of Damaged Bone in Vivo with Gemstone Spectral Computed Tomography. <i>ACS Nano</i> , <b>2016</b> , 10, 4164-72	16.7	24
40	Multi-positively charged dendrimeric nanoparticles induced fluorescence quenching of graphene quantum dots for heparin and chondroitin sulfate detection. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 74, 284-90	11.8	42
39	Nanoparticulate X-ray CT contrast agents. <i>Science China Chemistry</i> , <b>2015</b> , 58, 753-760	7.9	33
38	Multifunctional envelope-type mesoporous silica nanoparticles for pH-responsive drug delivery and magnetic resonance imaging. <i>Biomaterials</i> , <b>2015</b> , 60, 111-20	15.6	152
37	An ultrasmall and metabolizable PEGylated NaGdF <sub>4</sub> :Dy nanoprobe for high-performance T(1)/T(2)-weighted MR and CT multimodal imaging. <i>Nanoscale</i> , <b>2015</b> , 7, 15680-8	7.7	50
36	A superhydrophobic sponge with excellent absorbency and flame retardancy. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 5556-60	16.4	378
35	Biomass-derived carbon materials for high-performance supercapacitor electrodes. <i>RSC Advances</i> , <b>2014</b> , 4, 30887	3.7	81
34	A Superhydrophobic Sponge with Excellent Absorbency and Flame Retardancy. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 5662-5666	3.6	49
33	High-rate oxygen electroreduction over graphitic-N species exposed on 3D hierarchically porous nitrogen-doped carbons. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 9503-7	16.4	316
32	Polydopamine and its derivative materials: synthesis and promising applications in energy, environmental, and biomedical fields. <i>Chemical Reviews</i> , <b>2014</b> , 114, 5057-115	68.1	3034
31	High-Rate Oxygen Electroreduction over Graphitic-N Species Exposed on 3D Hierarchically Porous Nitrogen-Doped Carbons. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 9657-9661	3.6	37
30	Dopamine-melanin colloidal nanospheres: an efficient near-infrared photothermal therapeutic agent for in vivo cancer therapy. <i>Advanced Materials</i> , <b>2013</b> , 25, 1353-9	24	1337
29	Sp <sup>2</sup> C-dominant N-doped carbon sub-micrometer spheres with a tunable size: a versatile platform for highly efficient oxygen-reduction catalysts. <i>Advanced Materials</i> , <b>2013</b> , 25, 998-1003	24	690
28	A high-performance ytterbium-based nanoparticulate contrast agent for in vivo X-ray computed tomography imaging. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 1437-42	16.4	288
27	Facile preparation and performance of mesoporous manganese oxide for supercapacitors utilizing neutral aqueous electrolytes. <i>RSC Advances</i> , <b>2012</b> , 2, 3298	3.7	51

26	Ordered and Nonordered Porous Superstructures from Metal Nanoparticles <b>2012</b> , 339-359		3
25	A new type of nanoscale coordination particles: toward modification-free detection of hydrogen sulfide gas. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 18418		21
24	Bacteria promoted hierarchical carbon materials for high-performance supercapacitor. <i>Energy and Environmental Science</i> , <b>2012</b> , 5, 6206	35.4	151
23	Cotton-assisted preparation of mesoporous manganese oxide for supercapacitors. <i>RSC Advances</i> , <b>2012</b> , 2, 6741	3.7	19
22	Revisiting the Structure of Graphene Oxide for Preparing New-Style Graphene-Based Ultraviolet Absorbers. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 2542-2549	15.6	37
21	A High-Performance Ytterbium-Based Nanoparticulate Contrast Agent for In Vivo X-Ray Computed Tomography Imaging. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 1466-1471	3.6	17
20	An enhanced electrochemical platform based on graphene-polyoxometalate nanomaterials for sensitive determination of diphenolic compounds. <i>Analytical Methods</i> , <b>2011</b> , 3, 1587	3.2	40
19	A novel strategy for making soluble reduced graphene oxide sheets cheaply by adopting an endogenous reducing agent. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 3365-3370		193
18	Magnetite/reduced graphene oxide nanocomposites: One step solvothermal synthesis and use as a novel platform for removal of dye pollutants. <i>Nano Research</i> , <b>2011</b> , 4, 550-562	10	532
17	Large-scale synthesis of Bi(2)S(3) nanodots as a contrast agent for in vivo X-ray computed tomography imaging. <i>Advanced Materials</i> , <b>2011</b> , 23, 4886-91	24	266
16	Monitoring catalytic degradation of dye molecules on silver-coated ZnO nanowire arrays by surface-enhanced Raman spectroscopy. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 5547		119
15	Environmentally friendly synthesis of highly monodisperse biocompatible gold nanoparticles with urchin-like shape. <i>Langmuir</i> , <b>2008</b> , 24, 1058-63	4	116
14	Ordered macroporous bimetallic nanostructures: design, characterization, and applications. <i>Accounts of Chemical Research</i> , <b>2008</b> , 41, 244-53	24.3	128
13	Large-Area Silver-Coated Silicon Nanowire Arrays for Molecular Sensing Using Surface-Enhanced Raman Spectroscopy. <i>Advanced Functional Materials</i> , <b>2008</b> , 18, 2348-2355	15.6	322
12	Glycyl Glycine Templating Synthesis of Single-Crystal Silver Nanoplates. <i>Crystal Growth and Design</i> , <b>2006</b> , 6, 2155-2158	3.5	65
11	Controlled Fabrication of Gold-Coated 3D Ordered Colloidal Crystal Films and Their Application in Surface-Enhanced Raman Spectroscopy. <i>Chemistry of Materials</i> , <b>2005</b> , 17, 5731-5736	9.6	142
10	Fabrication of core-shell Au-Pt nanoparticle film and its potential application as catalysis and SERS substrate. <i>Journal of Materials Chemistry</i> , <b>2004</b> , 14, 1005		130
9	In situ synthesis of monodisperse luminescent terbium complex-silica nanocomposites. <i>Journal of Materials Chemistry</i> , <b>2004</b> , 14, 2760		18

8	Molecular construction of oriented crystalline NaMnF(3) and KMnF(3) with perovskite structures at room temperature. <i>Journal of Colloid and Interface Science</i> , <b>2003</b> , 266, 115-9	9.3	4
7	Improved size control of large palladium nanoparticles by a seeding growth method. <i>Journal of Materials Chemistry</i> , <b>2002</b> , 12, 156-158		61
6	Seed-mediated growth of large, monodisperse core-shell gold-silver nanoparticles with Ag-like optical properties. <i>Chemical Communications</i> , <b>2002</b> , 144-5	5.8	166
5	Self-organization of BaF2 Single Crystal Film under a Compressed Langmuir Monolayer. <i>Molecular Crystals and Liquid Crystals</i> , <b>2001</b> , 371, 45-48		
4	Organic template-directed crystallization of the complex fluoride NH4MnF3 with perovskite structure. <i>Chemical Communications</i> , <b>2001</b> , 1342-1343	5.8	1
3	Selective Crystallization of BaF2 under a Compressed Langmuir Monolayer of Behenic Acid. <i>Chemistry of Materials</i> , <b>2001</b> , 13, 325-328	9.6	15
2	Preparation, Structure, and Properties of Three-Dimensional Ordered Fe2O3 Nanoparticulate Film. <i>Chemistry of Materials</i> , <b>2000</b> , 12, 790-794	9.6	153
1	Bioinspired nanostructured spiderweb for high-efficiency capturing and killing of bacteria. <i>Science China Materials</i> , <b>1</b>	7.1	0