Lehui Lu

List of Publications by Citations

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	Polydopamine and its derivative materials: synthesis and promising applications in energy, environmental, and biomedical fields. *Chemical Reviews*, **2014**, 114, 5057-115	68.1	3034
78	Dopamine-melanin colloidal nanospheres: an efficient near-infrared photothermal therapeutic agent for in vivo cancer therapy. *Advanced Materials*, **2013**, 25, 1353-9	24	1337
77	Sp2 C-dominant N-doped carbon sub-micrometer spheres with a tunable size: a versatile platform for highly efficient oxygen-reduction catalysts. *Advanced Materials*, **2013**, 25, 998-1003	24	690
76	Magnetite/reduced graphene oxide nanocomposites: One step solvothermal synthesis and use as a novel platform for removal of dye pollutants. *Nano Research*, **2011**, 4, 550-562	10	532
75	A superhydrophobic sponge with excellent absorbency and flame retardancy. *Angewandte Chemie - International Edition*, **2014**, 53, 5556-60	16.4	378
74	Large-Area Silver-Coated Silicon Nanowire Arrays for Molecular Sensing Using Surface-Enhanced Raman Spectroscopy. *Advanced Functional Materials*, **2008**, 18, 2348-2355	15.6	322
73	High-rate oxygen electroreduction over graphitic-N species exposed on 3D hierarchically porous nitrogen-doped carbons. *Angewandte Chemie - International Edition*, **2014**, 53, 9503-7	16.4	316
72	A high-performance ytterbium-based nanoparticulate contrast agent for in vivo X-ray computed tomography imaging. *Angewandte Chemie - International Edition*, **2012**, 51, 1437-42	16.4	288
71	Large-scale synthesis of Bi(2)S(3) nanodots as a contrast agent for in vivo X-ray computed tomography imaging. *Advanced Materials*, **2011**, 23, 4886-91	24	266
70	MoS2 Nanosheets with Widened Interlayer Spacing for High-Efficiency Removal of Mercury in Aquatic Systems. *Advanced Functional Materials*, **2016**, 26, 5542-5549	15.6	257
69	Comprehensive Insights into the Multi-Antioxidative Mechanisms of Melanin Nanoparticles and Their Application To Protect Brain from Injury in Ischemic Stroke. *Journal of the American Chemical Society*, **2017**, 139, 856-862	16.4	254
68	A novel strategy for making soluble reduced graphene oxide sheets cheaply by adopting an endogenous reducing agent. *Journal of Materials Chemistry*, **2011**, 21, 3365-3370		193
67	Targeted polydopamine nanoparticles enable photoacoustic imaging guided chemo-photothermal synergistic therapy of tumor. *Acta Biomaterialia*, **2017**, 47, 124-134	10.8	170
66	Seed-mediated growth of large, monodisperse core-shell gold-silver nanoparticles with Ag-like optical properties. *Chemical Communications*, **2002**, 144-5	5.8	166
65	Preparation, Structure, and Properties of Three-Dimensional Ordered □Fe2O3 Nanoparticulate Film. *Chemistry of Materials*, **2000**, 12, 790-794	9.6	153
64	Multifunctional envelope-type mesoporous silica nanoparticles for pH-responsive drug delivery and magnetic resonance imaging. *Biomaterials*, **2015**, 60, 111-20	15.6	152
63	Structural effects of a carbon matrix in non-precious metal O2-reduction electrocatalysts. *Chemical Society Reviews*, **2016**, 45, 2396-409	58.5	151

62	Bacteria promoted hierarchical carbon materials for high-performance supercapacitor. *Energy and Environmental Science*, **2012**, 5, 6206	35.4	151
61	Polydopamine-based coordination nanocomplex for T1/T2 dual mode magnetic resonance imaging-guided chemo-photothermal synergistic therapy. *Biomaterials*, **2016**, 77, 198-206	15.6	150
60	Controlled Fabrication of Gold-Coated 3D Ordered Colloidal Crystal Films and Their Application in Surface-Enhanced Raman Spectroscopy. *Chemistry of Materials*, **2005**, 17, 5731-5736	9.6	142
59	Fabrication of core-shell Au-Pt nanoparticle film and its potential application as catalysis and SERS substrate. *Journal of Materials Chemistry*, **2004**, 14, 1005		130
58	Ordered macroporous bimetallic nanostructures: design, characterization, and applications. *Accounts of Chemical Research*, **2008**, 41, 244-53	24.3	128
57	Transition metal–nitrogen–carbon nanostructured catalysts for the oxygen reduction reaction: From mechanistic insights to structural optimization. *Nano Research*, **2017**, 10, 1449-1470	10	122
56	Monitoring catalytic degradation of dye molecules on silver-coated ZnO nanowire arrays by surface-enhanced Raman spectroscopy. *Journal of Materials Chemistry*, **2009**, 19, 5547		119
55	Environmentally friendly synthesis of highly monodisperse biocompatible gold nanoparticles with urchin-like shape. *Langmuir*, **2008**, 24, 1058-63	4	116
54	Plasmonic titanium nitride nanoparticles for in vivo photoacoustic tomography imaging and photothermal cancer therapy. *Biomaterials*, **2017**, 132, 37-47	15.6	98
53	Biomass-derived carbon materials for high-performance supercapacitor electrodes. *RSC Advances*, **2014**, 4, 30887	3.7	81
52	Glycyl Glycine Templating Synthesis of Single-Crystal Silver Nanoplates. *Crystal Growth and Design*, **2006**, 6, 2155-2158	3.5	65
51	Improved size control of large palladium nanoparticles by a seeding growth method. *Journal of Materials Chemistry*, **2002**, 12, 156-158		61
50	Multiplex electrochemiluminescence DNA sensor for determination of hepatitis B virus and hepatitis C virus based on multicolor quantum dots and Au nanoparticles. *Analytica Chimica Acta*, **2016**, 916, 92-101	6.6	52
49	Facile preparation and performance of mesoporous manganese oxide for supercapacitors utilizing neutral aqueous electrolytes. *RSC Advances*, **2012**, 2, 3298	3.7	51
48	An ultrasmall and metabolizable PEGylated NaGdF4:Dy nanoprobe for high-performance T(1)/T(2)-weighted MR and CT multimodal imaging. *Nanoscale*, **2015**, 7, 15680-8	7.7	50
47	A Superhydrophobic Sponge with Excellent Absorbency and Flame Retardancy. *Angewandte Chemie* , **2014**, 126, 5662-5666	3.6	49
46	Inorganic layered ion-exchangers for decontamination of toxic metal ions in aquatic systems. *Journal of Materials Chemistry A*, **2017**, 5, 19593-19606	13	47
45	Synergistic Tailoring of Electrostatic and Hydrophobic Interactions for Rapid and Specific Recognition of Lysophosphatidic Acid, an Early-Stage Ovarian Cancer Biomarker. *Journal of the American Chemical Society*, **2017**, 139, 11616-11621	16.4	46

44	A C N Nanoparticle Based Direct Nucleus Delivery Platform for Synergistic Cancer Therapy. *Angewandte Chemie - International Edition*, **2019**, 58, 6290-6294	16.4	43
43	Multi-positively charged dendrimeric nanoparticles induced fluorescence quenching of graphene quantum dots for heparin and chondroitin sulfate detection. *Biosensors and Bioelectronics*, **2015**, 74, 284-90	11.8	42
42	An enhanced electrochemical platform based on graphene-polyoxometalate nanomaterials for sensitive determination of diphenolic compounds. *Analytical Methods*, **2011**, 3, 1587	3.2	40
41	High-Rate Oxygen Electroreduction over Graphitic-N Species Exposed on 3D Hierarchically Porous Nitrogen-Doped Carbons. *Angewandte Chemie*, **2014**, 126, 9657-9661	3.6	37
40	Revisiting the Structure of Graphene Oxide for Preparing New-Style Graphene-Based Ultraviolet Absorbers. *Advanced Functional Materials*, **2012**, 22, 2542-2549	15.6	37
39	Defect Engineering Enables Synergistic Action of Enzyme-Mimicking Active Centers for High-Efficiency Tumor Therapy. *Journal of the American Chemical Society*, **2021**, 143, 8855-8865	16.4	37
38	Flame-retardant porous hexagonal boron nitride for safe and effective radioactive iodine capture. *Journal of Materials Chemistry A*, **2019**, 7, 16850-16858	13	36
37	Nanoparticulate X-ray CT contrast agents. *Science China Chemistry*, **2015**, 58, 753-760	7.9	33
36	Achieving ultrasensitive in□vivo detection of bone crack with polydopamine-capsulated surface-enhanced Raman nanoparticle. *Biomaterials*, **2017**, 114, 54-61	15.6	31
35	Hydrogen bond-mediated strong adsorbent□B□interactions enable high-efficiency radioiodine capture. *Materials Horizons*, **2019**, 6, 1517-1525	14.4	27
34	A novel aptamer-mediated CuInS2 quantum dots@graphene oxide nanocomposites-based fluorescence □urn off□n□anosensor for highly sensitive and selective detection of kanamycin. *RSC Advances*, **2016**, 6, 10205-10214	3.7	26
33	Targeted Imaging of Damaged Bone in Vivo with Gemstone Spectral Computed Tomography. *ACS Nano*, **2016**, 10, 4164-72	16.7	24
32	Wearable and Biodegradable Sensors for Human Health Monitoring.. *ACS Applied Bio Materials*, **2021**, 4, 122-139	4.1	24
31	A Versatile and Scalable Approach toward Robust Superhydrophobic Porous Materials with Excellent Absorbency and Flame Retardancy. *Scientific Reports*, **2016**, 6, 31233	4.9	21
30	A new type of nanoscale coordination particles: toward modification-free detection of hydrogen sulfide gas. *Journal of Materials Chemistry*, **2012**, 22, 18418		21
29	Cotton-assisted preparation of mesoporous manganese oxide for supercapacitors. *RSC Advances*, **2012**, 2, 6741	3.7	19
28	In situ synthesis of monodisperse luminescent terbium complex-silica nanocomposites. *Journal of Materials Chemistry*, **2004**, 14, 2760		18
27	A High-Performance Ytterbium-Based Nanoparticulate Contrast Agent for In Vivo X-Ray Computed Tomography Imaging. *Angewandte Chemie*, **2012**, 124, 1466-1471	3.6	17

26	CO-based amphiphilic polycarbonate micelles enable a reliable and efficient platform for tumor imaging. *Theranostics*, **2017**, 7, 4689-4698	12.1	16
25	Direct monitoring of trace water in Li-ion batteries using fluorescence spectroscopy. *Chemical Science*, **2018**, 9, 231-237	9.4	16
24	Selective Crystallization of BaF2 under a Compressed Langmuir Monolayer of Behenic Acid. *Chemistry of Materials*, **2001**, 13, 325-328	9.6	15
23	Porous Cyclodextrin nanotubular assemblies enable high-efficiency removal of bisphenol micropollutants from aquatic systems. *Nano Research*, **2020**, 13, 1933-1942	10	13
22	Targeted Engineering of Medicinal Chemistry for Cancer Therapy: Recent Advances and Perspectives. *Angewandte Chemie - International Edition*, **2021**, 60, 5626-5643	16.4	13
21	Nanoscaled porphyrinic metal-organic framework for photodynamic/photothermal therapy of tumor. *Electrophoresis*, **2019**, 40, 2204-2210	3.6	12
20	Point-and-Shoot Strategy for Identification of Alcoholic Beverages. *Analytical Chemistry*, **2018**, 90, 9838-9844	7.4	12
19	An All-in-One Organic Semiconductor for Targeted Photoxidation Catalysis in Hypoxic Tumor. *Angewandte Chemie - International Edition*, **2021**, 60, 16641-16648	16.4	12
18	Delineating the tumor margin with intraoperative surface-enhanced Raman spectroscopy. *Analytical and Bioanalytical Chemistry*, **2019**, 411, 3993-4006	4.4	11
17	Host-guest interaction-mediated nanointerface engineering for radioiodine capture. *Nano Today*, **2021**, 36, 101034	17.9	11
16	Polypyrrole-based double rare earth hybrid nanoparticles for multimodal imaging and photothermal therapy. *Journal of Materials Chemistry B*, **2020**, 8, 426-437	7.3	8
15	A C5N2 Nanoparticle Based Direct Nucleus Delivery Platform for Synergistic Cancer Therapy. *Angewandte Chemie*, **2019**, 131, 6356-6360	3.6	7
14	Metal-Phenolic Encapsulated Mesoporous Silica Nanoparticles for pH-Responsive Drug Delivery and Magnetic Resonance Imaging. *Zeitschrift Fur Physikalische Chemie*, **2018**, 232, 1733-1740	3.1	7
13	Molecular construction of oriented crystalline NaMnF(3) and KMnF(3) with perovskite structures at room temperature. *Journal of Colloid and Interface Science*, **2003**, 266, 115-9	9.3	4
12	Si-assisted N, P Co-doped room temperature phosphorescent carbonized polymer Dots: Information Encryption, graphic Anti-counterfeiting and biological imaging.. *Journal of Colloid and Interface Science*, **2022**, 609, 279-288	9.3	4
11	On-demand degradable magnetic resonance imaging nanoprobes. *Science Bulletin*, **2021**, 66, 676-684	10.6	4
10	Unveiling the Role of Hydroxyl Architecture on Polysulfide Trapping for High-Performance Lithium–Sulfur Batteries. *ACS Applied Energy Materials*, **2020**, 3, 4023-4032	6.1	3
9	Ordered and Nonordered Porous Superstructures from Metal Nanoparticles **2012**, 339-359		3

8	An All-in-One Organic Semiconductor for Targeted Photoxidation Catalysis in Hypoxic Tumor. *Angewandte Chemie*, **2021**, 133, 16777-16784	3.6	2
7	Nanoparticles: Untying the Gordian Knot in Conventional Computed Tomography Imaging. *CCS Chemistry*, **2021**, 3, 1242-1257	7.2	2
6	Hierarchically porous polymers with ultra-high affinity for bisphenol A enables high efficient water purification. *Science China Chemistry*, **2021**, 64, 1389-1400	7.9	2
5	Mitochondria-Targeting Enhanced Phototherapy by Intrinsic Characteristics Engineered "One-for-All" Nanoparticles. *ACS Applied Materials & Interfaces*, **2021**, 13, 35568-35578	9.5	2
4	Organic template-directed crystallization of the complex fluoride NH4MnF3 with perovskite structure. *Chemical Communications*, **2001**, 1342-1343	5.8	1
3	Zielgerichtete Wirkstoffe f□die Krebstherapie: Aktuelle Entwicklungen und Perspektiven. *Angewandte Chemie*, **2021**, 133, 5686-5705	3.6	1
2	Bioinspired nanostructured spiderweb for high-efficiency capturing and killing of bacteria. *Science China Materials*,1	7.1	0
1	Self-organization of BaF2 Single Crystal Film under a Compressed Langmuir Monolayer. *Molecular Crystals and Liquid Crystals*, **2001**, 371, 45-48		