

Kelong Ai

List of Publications by Year in Descending Order

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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.

67

papers

11,372

citations

38

h-index

68

g-index

68

ext. papers

12,912

ext. citations

11.9

avg, IF

6.79

L-index

#	Paper	IF	Citations
67	Harnessing reactive oxygen/nitrogen species and inflammation: Nanodrugs for liver injury.. <i>Materials Today Bio</i> , 2022 , 13, 100215	9.9	4
66	Rheumatoid arthritis microenvironment insights into treatment effect of nanomaterials. <i>Nano Today</i> , 2022 , 42, 101358	17.9	8
65	Reactive oxygen species-based nanomaterials for the treatment of myocardial ischemia reperfusion injuries. <i>Bioactive Materials</i> , 2022 , 7, 47-72	16.7	33
64	Emerging early diagnostic methods for acute kidney injury.. <i>Theranostics</i> , 2022 , 12, 2963-2986	12.1	0
63	Nanomaterial-based biosensor developing as a route toward in vitro diagnosis of early ovarian cancer.. <i>Materials Today Bio</i> , 2022 , 13, 100218	9.9	4
62	Emerging Bismuth Chalcogenides Based Nanodrugs for Cancer Radiotherapy.. <i>Frontiers in Pharmacology</i> , 2022 , 13, 844037	5.6	1
61	Toward Urease-free wearable artificial kidney: Widened interlayer spacing MoS ₂ nanosheets with highly effective adsorption for uremic toxins. <i>Chemical Engineering Journal</i> , 2022 , 438, 135583	14.7	0
60	Localized surface plasmon resonance properties and biomedical applications of copper selenide nanomaterials. <i>Materials Today Chemistry</i> , 2021 , 20, 100402	6.2	19
59	Hierarchically porous polymers with ultra-high affinity for bisphenol A enables high efficient water purification. <i>Science China Chemistry</i> , 2021 , 64, 1389-1400	7.9	2
58	Nanotherapies for sepsis by regulating inflammatory signals and reactive oxygen and nitrogen species: New insight for treating COVID-19. <i>Redox Biology</i> , 2021 , 45, 102046	11.3	12
57	MoS ₂ -based nanocomposites for cancer diagnosis and therapy. <i>Bioactive Materials</i> , 2021 , 6, 4209-4242	16.7	42
56	Dual-protective nano-sunscreen enables high-efficient elimination of the self-derived hazards. <i>Applied Materials Today</i> , 2020 , 18, 100493	6.6	3
55	ROS-Scavenging Nanomaterials to Treat Periodontitis. <i>Frontiers in Chemistry</i> , 2020 , 8, 595530	5	11
54	Highly Sensitive Polydiacetylene Ensembles for Biosensing and Bioimaging. <i>Frontiers in Chemistry</i> , 2020 , 8, 565782	5	11
53	Progress in Detection of Biomarker of Ovarian Cancer: Lysophosphatidic Acid. <i>Chinese Journal of Analytical Chemistry</i> , 2020 , 48, 1597-1606	1.6	2
52	sp ² C-Dominant O-Doped Hierarchical Porous Carbon for Supercapacitor Electrodes. <i>ACS Applied Energy Materials</i> , 2019 , 2, 7009-7018	6.1	3
51	Flame-retardant porous hexagonal boron nitride for safe and effective radioactive iodine capture. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 16850-16858	13	36

50	Hydrogen bond-mediated strong adsorbent-Bi interactions enable high-efficiency radioiodine capture. <i>Materials Horizons</i> , 2019 , 6, 1517-1525	14.4	27
49	Point-and-Shoot Strategy for Identification of Alcoholic Beverages. <i>Analytical Chemistry</i> , 2018 , 90, 9838-9844	9.8	12
48	Robust Synthesis of High-Performance N-Graphite Hollow Nanocatalysts Based on the Ostwald Ripening Mechanism for Oxygen Reduction Reaction Electrocatalysis. <i>Particle and Particle Systems Characterization</i> , 2018 , 35, 1800266	3.1	1
47	Transition metal-nitrogen-carbon nanostructured catalysts for the oxygen reduction reaction: From mechanistic insights to structural optimization. <i>Nano Research</i> , 2017 , 10, 1449-1470	10	122
46	Untrasmall Bi2S3 nanodots for in vivo X-ray CT imaging-guided photothermal therapy of cancer. <i>RSC Advances</i> , 2017 , 7, 29672-29678	3.7	13
45	Plasmonic titanium nitride nanoparticles for in vivo photoacoustic tomography imaging and photothermal cancer therapy. <i>Biomaterials</i> , 2017 , 132, 37-47	15.6	98
44	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> , 2017 , 139, 856-862	16.4	254
43	Scalable preparation of sized-controlled Co-N-C electrocatalyst for efficient oxygen reduction reaction. <i>Journal of Power Sources</i> , 2017 , 368, 46-56	8.9	50
42	Inorganic layered ion-exchangers for decontamination of toxic metal ions in aquatic systems. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 19593-19606	13	47
41	Transformation from FeS/Fe3C nanoparticles encased S, N dual doped carbon nanotubes to nanosheets for enhanced oxygen reduction performance. <i>Carbon</i> , 2017 , 123, 135-144	10.4	23
40	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> , 2017 , 139, 11616-11621	16.4	46
39	Targeted polydopamine nanoparticles enable photoacoustic imaging guided chemo-photothermal synergistic therapy of tumor. <i>Acta Biomaterialia</i> , 2017 , 47, 124-134	10.8	170
38	A Versatile and Scalable Approach toward Robust Superhydrophobic Porous Materials with Excellent Absorbency and Flame Retardancy. <i>Scientific Reports</i> , 2016 , 6, 31233	4.9	21
37	Polydopamine-based coordination nanocomplex for T1/T2 dual mode magnetic resonance imaging-guided chemo-photothermal synergistic therapy. <i>Biomaterials</i> , 2016 , 77, 198-206	15.6	150
36	MoS2 Nanosheets with Widened Interlayer Spacing for High-Efficiency Removal of Mercury in Aquatic Systems. <i>Advanced Functional Materials</i> , 2016 , 26, 5542-5549	15.6	257
35	Targeted Imaging of Damaged Bone in Vivo with Gemstone Spectral Computed Tomography. <i>ACS Nano</i> , 2016 , 10, 4164-72	16.7	24
34	Nanoparticulate X-ray CT contrast agents. <i>Science China Chemistry</i> , 2015 , 58, 753-760	7.9	33
33	Multifunctional envelope-type mesoporous silica nanoparticles for pH-responsive drug delivery and magnetic resonance imaging. <i>Biomaterials</i> , 2015 , 60, 111-20	15.6	152

32	High-performance oxygen reduction electrocatalysts derived from uniform cobalt-adenine assemblies. <i>Nano Energy</i> , 2015 , 17, 120-130	17.1	53
31	Covalent entrapment of cobalt-iron sulfides in N-doped mesoporous carbon: extraordinary bifunctional electrocatalysts for oxygen reduction and evolution reactions. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 1207-18	9.5	243
30	A superhydrophobic sponge with excellent absorbency and flame retardancy. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 5556-60	16.4	378
29	Biomass-derived carbon materials for high-performance supercapacitor electrodes. <i>RSC Advances</i> , 2014 , 4, 30887	3.7	81
28	Tailor-made charge-conversional nanocomposite for pH-responsive drug delivery and cell imaging. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 655-63	9.5	38
27	A Superhydrophobic Sponge with Excellent Absorbency and Flame Retardancy. <i>Angewandte Chemie</i> , 2014 , 126, 5662-5666	3.6	49
26	Polydopamine and its derivative materials: synthesis and promising applications in energy, environmental, and biomedical fields. <i>Chemical Reviews</i> , 2014 , 114, 5057-115	68.1	3034
25	Recent advances in ytterbium-based contrast agents for in vivo X-ray computed tomography imaging: promises and prospects. <i>Contrast Media and Molecular Imaging</i> , 2014 , 9, 26-36	3.2	34
24	Dopamine-melanin colloidal nanospheres: an efficient near-infrared photothermal therapeutic agent for in vivo cancer therapy. <i>Advanced Materials</i> , 2013 , 25, 1353-9	24	1337
23	Controlling the formation of rodlike V ₂ O ₅ nanocrystals on reduced graphene oxide for high-performance supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 11462-70	9.5	154
22	Sp ² 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> , 2013 , 25, 998-1003	24	690
21	A high-performance ytterbium-based nanoparticulate contrast agent for in vivo X-ray computed tomography imaging. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 1437-42	16.4	288
20	Engineering natural materials as surface-enhanced Raman spectroscopy substrates for in situ molecular sensing. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 6599-608	9.5	23
19	Nanoparticulate X-ray computed tomography contrast agents: from design validation to in vivo applications. <i>Accounts of Chemical Research</i> , 2012 , 45, 1817-27	24.3	248
18	Hybrid BaYbF ₅ nanoparticles: novel binary contrast agent for high-resolution in vivo X-ray computed tomography angiography. <i>Advanced Healthcare Materials</i> , 2012 , 1, 461-6	10.1	80
17	A High-Performance Ytterbium-Based Nanoparticulate Contrast Agent for In Vivo X-Ray Computed Tomography Imaging. <i>Angewandte Chemie</i> , 2012 , 124, 1466-1471	3.6	17
16	Dual-emission fluorescent silica nanoparticle-based probe for ultrasensitive detection of Cu ²⁺ . <i>Analytical Chemistry</i> , 2011 , 83, 3126-32	7.8	215
15	Functionalizing metal nanostructured film with graphene oxide for ultrasensitive detection of aromatic molecules by surface-enhanced Raman spectroscopy. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 2944-52	9.5	144

14	A novel strategy for making soluble reduced graphene oxide sheets cheaply by adopting an endogenous reducing agent. <i>Journal of Materials Chemistry</i> , 2011 , 21, 3365-3370		193
13	Designing lanthanide-doped nanocrystals with both up- and down-conversion luminescence for anti-counterfeiting. <i>Nanoscale</i> , 2011 , 3, 4804-10	7.7	169
12	Gd(III) functionalized gold nanorods for multimodal imaging applications. <i>Nanoscale</i> , 2011 , 3, 1990-6	7.7	44
11	Fluorescence-enhanced gadolinium-doped zinc oxide quantum dots for magnetic resonance and fluorescence imaging. <i>Biomaterials</i> , 2011 , 32, 1185-92	15.6	169
10	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> , 2011 , 23, 4886-91	24	266
9	Fluorescence visual gel-separation of dansylated BSA-protected gold-nanoclusters. <i>Chemical Communications</i> , 2011 , 47, 9852-4	5.8	36
8	Gold-Nanocluster-Based Fluorescent Sensors for Highly Sensitive and Selective Detection of Cyanide in Water. <i>Advanced Functional Materials</i> , 2010 , 20, 951-956	15.6	370
7	Europium-Based Fluorescence Nanoparticle Sensor for Rapid and Ultrasensitive Detection of an Anthrax Biomarker. <i>Angewandte Chemie</i> , 2009 , 121, 310-314	3.6	40
6	Hydrogen-bonding recognition-induced color change of gold nanoparticles for visual detection of melamine in raw milk and infant formula. <i>Journal of the American Chemical Society</i> , 2009 , 131, 9496-7	16.4	525
5	Monitoring catalytic degradation of dye molecules on silver-coated ZnO nanowire arrays by surface-enhanced Raman spectroscopy. <i>Journal of Materials Chemistry</i> , 2009 , 19, 5547		119
4	Europium-based fluorescence nanoparticle sensor for rapid and ultrasensitive detection of an anthrax biomarker. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 304-8	16.4	177
3	Coating didodecyldimethylammonium bromide onto Au nanoparticles increases the stability of its complex with DNA. <i>Journal of Controlled Release</i> , 2008 , 129, 128-34	11.7	27
2	Environmentally friendly synthesis of highly monodisperse biocompatible gold nanoparticles with urchin-like shape. <i>Langmuir</i> , 2008 , 24, 1058-63	4	116
1	Large-Area Silver-Coated Silicon Nanowire Arrays for Molecular Sensing Using Surface-Enhanced Raman Spectroscopy. <i>Advanced Functional Materials</i> , 2008 , 18, 2348-2355	15.6	322