

Kelong Ai

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7115785/kelong-ai-publications-by-citations.pdf>

Version: 2024-04-20

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.

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 | 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 |
| 66 | 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 |
| 65 | 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 |
| 64 | 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 |
| 63 | A superhydrophobic sponge with excellent absorbency and flame retardancy. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 5556-60 | 16.4 | 378 |
| 62 | 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 |
| 61 | 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 |
| 60 | 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 |
| 59 | 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 |
| 58 | MoS ₂ 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 |
| 57 | 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 |
| 56 | 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 |
| 55 | 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 |
| 54 | Dual-emission fluorescent silica nanoparticle-based probe for ultrasensitive detection of Cu ²⁺ . <i>Analytical Chemistry</i> , 2011 , 83, 3126-32 | 7.8 | 215 |
| 53 | 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 |
| 52 | 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 |
| 51 | Targeted polydopamine nanoparticles enable photoacoustic imaging guided chemo-photothermal synergistic therapy of tumor. <i>Acta Biomaterialia</i> , 2017 , 47, 124-134 | 10.8 | 170 |

| | | | |
|----|--|------|-----|
| 50 | Designing lanthanide-doped nanocrystals with both up- and down-conversion luminescence for anti-counterfeiting. <i>Nanoscale</i> , 2011 , 3, 4804-10 | 7.7 | 169 |
| 49 | Fluorescence-enhanced gadolinium-doped zinc oxide quantum dots for magnetic resonance and fluorescence imaging. <i>Biomaterials</i> , 2011 , 32, 1185-92 | 15.6 | 169 |
| 48 | Controlling the formation of rodlike V2O5 nanocrystals on reduced graphene oxide for high-performance supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 11462-70 | 9.5 | 154 |
| 47 | 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 |
| 46 | 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 |
| 45 | 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 |
| 44 | 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 |
| 43 | 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 |
| 42 | Environmentally friendly synthesis of highly monodisperse biocompatible gold nanoparticles with urchin-like shape. <i>Langmuir</i> , 2008 , 24, 1058-63 | 4 | 116 |
| 41 | Plasmonic titanium nitride nanoparticles for in vivo photoacoustic tomography imaging and photothermal cancer therapy. <i>Biomaterials</i> , 2017 , 132, 37-47 | 15.6 | 98 |
| 40 | Biomass-derived carbon materials for high-performance supercapacitor electrodes. <i>RSC Advances</i> , 2014 , 4, 30887 | 3.7 | 81 |
| 39 | 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 |
| 38 | High-performance oxygen reduction electrocatalysts derived from uniform cobalt–adenine assemblies. <i>Nano Energy</i> , 2015 , 17, 120-130 | 17.1 | 53 |
| 37 | 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 |
| 36 | A Superhydrophobic Sponge with Excellent Absorbency and Flame Retardancy. <i>Angewandte Chemie</i> , 2014 , 126, 5662-5666 | 3.6 | 49 |
| 35 | 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 |
| 34 | 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 |
| 33 | Gd(III) functionalized gold nanorods for multimodal imaging applications. <i>Nanoscale</i> , 2011 , 3, 1990-6 | 7.7 | 44 |

| | | | |
|----|--|------|----|
| 32 | MoS-based nanocomposites for cancer diagnosis and therapy. <i>Bioactive Materials</i> , 2021 , 6, 4209-4242 | 16.7 | 42 |
| 31 | 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 |
| 30 | 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 |
| 29 | 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 |
| 28 | Fluorescence visual gel-separation of dansylated BSA-protected gold-nanoclusters. <i>Chemical Communications</i> , 2011 , 47, 9852-4 | 5.8 | 36 |
| 27 | 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 |
| 26 | Nanoparticulate X-ray CT contrast agents. <i>Science China Chemistry</i> , 2015 , 58, 753-760 | 7.9 | 33 |
| 25 | Reactive oxygen species-based nanomaterials for the treatment of myocardial ischemia reperfusion injuries. <i>Bioactive Materials</i> , 2022 , 7, 47-72 | 16.7 | 33 |
| 24 | Hydrogen bond-mediated strong adsorbent-Bi interactions enable high-efficiency radioiodine capture. <i>Materials Horizons</i> , 2019 , 6, 1517-1525 | 14.4 | 27 |
| 23 | 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 |
| 22 | Targeted Imaging of Damaged Bone in Vivo with Gemstone Spectral Computed Tomography. <i>ACS Nano</i> , 2016 , 10, 4164-72 | 16.7 | 24 |
| 21 | Transformation from FeS/Fe ₃ C 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 |
| 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 | 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 |
| 18 | Localized surface plasmon resonance properties and biomedical applications of copper selenide nanomaterials. <i>Materials Today Chemistry</i> , 2021 , 20, 100402 | 6.2 | 19 |
| 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 | Untrasmall Bi ₂ S ₃ nanodots for in vivo X-ray CT imaging-guided photothermal therapy of cancer. <i>RSC Advances</i> , 2017 , 7, 29672-29678 | 3.7 | 13 |
| 15 | Point-and-Shoot Strategy for Identification of Alcoholic Beverages. <i>Analytical Chemistry</i> , 2018 , 90, 9838-9844 | 9.84 | 12 |

| | | | |
|----|--|------|----|
| 14 | 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 |
| 13 | ROS-Scavenging Nanomaterials to Treat Periodontitis. <i>Frontiers in Chemistry</i> , 2020 , 8, 595530 | 5 | 11 |
| 12 | Highly Sensitive Polydiacetylene Ensembles for Biosensing and Bioimaging. <i>Frontiers in Chemistry</i> , 2020 , 8, 565782 | 5 | 11 |
| 11 | Rheumatoid arthritis microenvironment insights into treatment effect of nanomaterials. <i>Nano Today</i> , 2022 , 42, 101358 | 17.9 | 8 |
| 10 | Harnessing reactive oxygen/nitrogen species and inflammation: Nanodrugs for liver injury.. <i>Materials Today Bio</i> , 2022 , 13, 100215 | 9.9 | 4 |
| 9 | 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 |
| 8 | 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 |
| 7 | Dual-protective nano-sunscreen enables high-efficient elimination of the self-derived hazards. <i>Applied Materials Today</i> , 2020 , 18, 100493 | 6.6 | 3 |
| 6 | Progress in Detection of Biomarker of Ovarian Cancer: Lysophosphatidic Acid. <i>Chinese Journal of Analytical Chemistry</i> , 2020 , 48, 1597-1606 | 1.6 | 2 |
| 5 | 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 |
| 4 | 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 |
| 3 | Emerging Bismuth Chalcogenides Based Nanodrugs for Cancer Radiotherapy.. <i>Frontiers in Pharmacology</i> , 2022 , 13, 844037 | 5.6 | 1 |
| 2 | Emerging early diagnostic methods for acute kidney injury.. <i>Theranostics</i> , 2022 , 12, 2963-2986 | 12.1 | 0 |
| 1 | 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 |