

Ruichan Lv

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.

68

papers

2,945

citations

29

h-index

54

g-index

74

ext. papers

3,280

ext. citations

7.4

avg, IF

5.27

L-index

#	Paper	IF	Citations
68	Dual-molecular targeted NIR II probe with enhanced response for head and neck squamous cell carcinoma imaging.. <i>Nanotechnology</i> , 2022 ,	3.4	1
67	Nanochemistry advancing photon conversion in rare-earth nanostructures for theranostics. <i>Coordination Chemistry Reviews</i> , 2022 , 460, 214486	23.2	2
66	Coordination chemistry of the host matrices with dopant luminescent Ln ³⁺ ion and their impact on luminescent properties. <i>Coordination Chemistry Reviews</i> , 2022 , 466, 214584	23.2	2
65	A Magnified Adaptive Feature Pyramid Network for automatic microaneurysms detection. <i>Computers in Biology and Medicine</i> , 2021 , 139, 105000	7	3
64	Met-Targeted Dual-Modal MRI/NIR II Imaging for Specific Recognition of Head and Neck Squamous Cell Carcinoma. <i>ACS Biomaterials Science and Engineering</i> , 2021 , 7, 1640-1650	5.5	8
63	Targeted Luminescent Probes for Precise Upconversion/NIR II Luminescence Diagnosis of Lung Adenocarcinoma. <i>Analytical Chemistry</i> , 2021 , 93, 4984-4992	7.8	11
62	Peptide functionalized upconversion/NIR II luminescent nanoparticles for targeted imaging and therapy of oral squamous cell carcinoma. <i>Biomaterials Science</i> , 2021 , 9, 1000-1007	7.4	16
61	NIR II Luminescence Imaging for Sentinel Lymph Node and Enhanced Chemo-/Photothermal Therapy for Breast Cancer. <i>Bioconjugate Chemistry</i> , 2021 , 32, 2117-2127	6.3	2
60	MET-targeted NIR II luminescence diagnosis and up-conversion guided photodynamic therapy for triple-negative breast cancer based on a lanthanide nanoprobe. <i>Nanoscale</i> , 2021 , 13, 18125-18133	7.7	3
59	Degradable pH-responsive NIR-II imaging probes based on a polymer-lanthanide composite for chemotherapy. <i>Dalton Transactions</i> , 2020 , 49, 9444-9453	4.3	6
58	Lanthanide-Based Nanocomposites for Photothermal Therapy under Near-Infrared Laser: Relationship between Light and Heat, Biostability, and Reaction Temperature. <i>Langmuir</i> , 2020 , 36, 4033-4043	4.043	5
57	An optimized lanthanide-chlorophyll nanocomposite for dual-modal imaging-guided surgery navigation and anti-cancer theranostics. <i>Biomaterials Science</i> , 2020 , 8, 1270-1278	7.4	6
56	Optimized Multimetal Sensitized Phosphor for Enhanced Red Up-Conversion Luminescence by Machine Learning. <i>ACS Combinatorial Science</i> , 2020 , 22, 285-296	3.9	5
55	Enhanced Upconversion Luminescence-Guided Synergistic Antitumor Therapy Based on Photodynamic Therapy and Immune Checkpoint Blockade. <i>Chemistry of Materials</i> , 2020 , 32, 4627-4640	9.6	35
54	Lanthanide-semiconductor probes for precise imaging-guided phototherapy and immunotherapy. <i>Journal of Bio-X Research</i> , 2020 , 3, 193-204	0.4	
53	Plasmonic modulated upconversion fluorescence by adjustable distributed gold nanoparticles. <i>Journal of Luminescence</i> , 2020 , 220, 116974	3.8	5
52	Black Phosphorus Nanosheet with High Thermal Conversion Efficiency for Photodynamic/Photothermal/Immunotherapy. <i>ACS Biomaterials Science and Engineering</i> , 2020 , 6, 4940-4948	5.5	28

51	Transferred Photothermal to Photodynamic Therapy Based on the Marriage of Ultrathin Titanium Carbide and Up-Conversion Nanoparticles. <i>Langmuir</i> , 2020 , 36, 13060-13069	4	4
50	Degradable magnetic-response photoacoustic/up-conversion luminescence imaging-guided photodynamic/photothermal antitumor therapy. <i>Biomaterials Science</i> , 2019 , 7, 4558-4567	7.4	11
49	Searching for the Optimized Luminescent Lanthanide Phosphor Using Heuristic Algorithms. <i>Inorganic Chemistry</i> , 2019 , 58, 6458-6466	5.1	9
48	When a Semiconductor Utilized as an NIR Laser-Responsive Photodynamic/Photothermal Theranostic Agent Integrates with Upconversion Nanoparticles. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 3100-3110	5.5	10
47	Surface Plasmonic Enhanced Imaging-Guided Photothermal/Photodynamic Therapy Based on Lanthanide-Metal Nanocomposites under Single 808 nm Laser. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 5051-5059	5.5	7
46	Mesoporous semiconductors combined with up-conversion nanoparticles for enhanced photodynamic therapy under near infrared light.. <i>RSC Advances</i> , 2019 , 9, 17273-17280	3.7	6
45	Improved Red Emission and Short-Wavelength Infrared Luminescence under 808 nm Laser for Tumor Theranostics. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 4683-4691	5.5	10
44	Hyperthermia and Controllable Free Radical Coenhanced Synergistic Therapy in Hypoxia Enabled by Near-Infrared-II Light Irradiation. <i>ACS Nano</i> , 2019 , 13, 13144-13160	16.7	72
43	Controllable Generation of Free Radicals from Multifunctional Heat-Responsive Nanoplatfrom for Targeted Cancer Therapy. <i>Chemistry of Materials</i> , 2018 , 30, 526-539	9.6	73
42	Bismuth Nanoparticles with Light Property Served as a Multifunctional Probe for X-ray Computed Tomography and Fluorescence Imaging. <i>Chemistry of Materials</i> , 2018 , 30, 3301-3307	9.6	48
41	Highly Erbium-Doped Nanoplatfrom with Enhanced Red Emission for Dual-Modal Optical-Imaging-Guided Photodynamic Therapy. <i>Inorganic Chemistry</i> , 2018 , 57, 14594-14602	5.1	14
40	Up-Conversion Luminescence Properties of Lanthanide-Gold Hybrid Nanoparticles as Analyzed with Discrete Dipole Approximation. <i>Nanomaterials</i> , 2018 , 8,	5.4	10
39	Optimization of Red Luminescent Intensity in Eu-Doped Lanthanide Phosphors Using Genetic Algorithm. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 4378-4384	5.5	11
38	Multilevel Nanoarchitecture Exhibiting Biosensing for Cancer Diagnostics by Dual-Modal Switching of Optical and Magnetic Resonance Signals.. <i>ACS Applied Bio Materials</i> , 2018 , 1, 1505-1511	4.1	10
37	A Versatile Near Infrared Light Triggered Dual-Photosensitizer for Synchronous Bioimaging and Photodynamic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 12993-13008	9.5	55
36	Charge convertibility and near infrared photon co-enhanced cisplatin chemotherapy based on upconversion nanoplatfrom. <i>Biomaterials</i> , 2017 , 130, 42-55	15.6	65
35	Assembly of Au Plasmonic Photothermal Agent and Iron Oxide Nanoparticles on Ultrathin Black Phosphorus for Targeted Photothermal and Photodynamic Cancer Therapy. <i>Advanced Functional Materials</i> , 2017 , 27, 1700371	15.6	211
34	Markedly enhanced up-conversion luminescence by combining IR-808 dye sensitization and core-shell-shell structures. <i>Dalton Transactions</i> , 2017 , 46, 1495-1501	4.3	20

33	In Situ Growth Strategy to Integrate Up-Conversion Nanoparticles with Ultrasmall CuS for Photothermal Theranostics. <i>ACS Nano</i> , 2017 , 11, 1064-1072	16.7	118
32	Dopamine-mediated photothermal theranostics combined with up-conversion platform under near infrared light. <i>Scientific Reports</i> , 2017 , 7, 13562	4.9	29
31	Yolk-Structured Upconversion Nanoparticles with Biodegradable Silica Shell for FRET Sensing of Drug Release and Imaging-Guided Chemotherapy. <i>Chemistry of Materials</i> , 2017 , 29, 7615-7628	9.6	80
30	Stable ICG-loaded upconversion nanoparticles: silica core/shell theranostic nanoplatfom for dual-modal upconversion and photoacoustic imaging together with photothermal therapy. <i>Scientific Reports</i> , 2017 , 7, 15753	4.9	43
29	Integration of Upconversion Nanoparticles and Ultrathin Black Phosphorus for Efficient Photodynamic Theranostics under 808 nm Near-Infrared Light Irradiation. <i>Chemistry of Materials</i> , 2016 , 28, 4724-4734	9.6	174
28	Near-infrared light-induced imaging and targeted anti-cancer therapy based on a yolk/shell structure. <i>RSC Advances</i> , 2016 , 6, 21590-21599	3.7	3
27	Doxorubicin-conjugated CuS nanoparticles for efficient synergistic therapy triggered by near-infrared light. <i>Dalton Transactions</i> , 2016 , 45, 5101-10	4.3	34
26	UCNPs@gelatin-ZnPc nanocomposite: synthesis, imaging and anticancer properties. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 4138-4146	7.3	13
25	g-C3N4 Coated Upconversion Nanoparticles for 808 nm Near-Infrared Light Triggered Phototherapy and Multiple Imaging. <i>Chemistry of Materials</i> , 2016 , 28, 7935-7946	9.6	135
24	Imaging-Guided and Light-Triggered Chemo-/Photodynamic/Photothermal Therapy Based on Gd (III) Chelated Mesoporous Silica Hybrid Spheres. <i>ACS Biomaterials Science and Engineering</i> , 2016 , 2, 2058-2071	5.5	41
23	Design, fabrication, luminescence and biomedical applications of UCNPs@mSiO-ZnPc-CDs-P(NIPAm-MAA) nanocomposites. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 5883-5894 ³⁰	7.3	30
22	CuS-Pt(IV)-PEG-FA nanoparticles for targeted photothermal and chemotherapy. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 5938-5946	7.3	27
21	A yolk-like multifunctional platform for multimodal imaging and synergistic therapy triggered by a single near-infrared light. <i>ACS Nano</i> , 2015 , 9, 1630-47	16.7	295
20	Y2O3:Yb,Er@mSiO2-Cu(x)S double-shelled hollow spheres for enhanced chemo-/photothermal anti-cancer therapy and dual-modal imaging. <i>Nanoscale</i> , 2015 , 7, 12180-91	7.7	52
19	A core/shell/satellite anticancer platform for 808 NIR light-driven multimodal imaging and combined chemo-/photothermal therapy. <i>Nanoscale</i> , 2015 , 7, 13747-58	7.7	73
18	Mesoporous NaYF4:Yb,Er@AuPt(IV)-FA nanospheres for dual-modal imaging and synergistic photothermal/chemo-anti-cancer therapy. <i>RSC Advances</i> , 2015 , 5, 43391-43401	3.7	5
17	Synthesis, luminescence, and anti-tumor properties of MgSiO3:Eu-DOX-DPP-RGD hollow microspheres. <i>Dalton Transactions</i> , 2015 , 44, 18585-95	4.3	5
16	Au25 cluster functionalized metal-organic nanostructures for magnetically targeted photodynamic/photothermal therapy triggered by single wavelength 808 nm near-infrared light. <i>Nanoscale</i> , 2015 , 7, 19568-78	7.7	89

15	A Single 808 nm Near-Infrared Light-Mediated Multiple Imaging and Photodynamic Therapy Based on Titania Coupled Upconversion Nanoparticles. <i>Chemistry of Materials</i> , 2015 , 27, 7957-7968	9.6	114
14	A New Single 808 nm NIR Light-Induced Imaging-Guided Multifunctional Cancer Therapy Platform. <i>Advanced Functional Materials</i> , 2015 , 25, 3966-3976	15.6	163
13	A cheap and facile route to synthesize monodisperse magnetic nanocrystals and their application as MRI agents. <i>Dalton Transactions</i> , 2015 , 44, 247-53	4.3	9
12	An imaging-guided platform for synergistic photodynamic/photothermal/chemo-therapy with pH/temperature-responsive drug release. <i>Biomaterials</i> , 2015 , 63, 115-27	15.6	175
11	Multifunctional Anticancer Platform for Multimodal Imaging and Visible Light Driven Photodynamic/Photothermal Therapy. <i>Chemistry of Materials</i> , 2015 , 27, 1751-1763	9.6	104
10	Hollow Structured Y ₂ O ₃ :Yb/Er/Tm S Nanospheres with Controllable Size for Simultaneous Chemo/Photothermal Therapy and Bioimaging. <i>Chemistry of Materials</i> , 2015 , 27, 483-496	9.6	95
9	Multifunctional LaPO ₄ :Ce/Tb@Au mesoporous microspheres: synthesis, luminescence and controllable light triggered drug release. <i>RSC Advances</i> , 2014 , 4, 63425-63435	3.7	11
8	LaF ₃ :Ln mesoporous spheres: controllable synthesis, tunable luminescence and application for dual-modal chemo-/photo-thermal therapy. <i>Nanoscale</i> , 2014 , 6, 14799-809	7.7	20
7	A Novel double-shelled C@NiO hollow microsphere: Synthesis and application for electrochemical capacitor. <i>Electrochimica Acta</i> , 2014 , 148, 211-219	6.7	48
6	Self-produced bubble-template synthesis of La ₂ O ₃ :Yb/Er@Au hollow spheres with markedly enhanced luminescence and release properties. <i>CrystEngComm</i> , 2014 , 16, 9612-9621	3.3	12
5	Multifunctional SiO ₂ @Gd ₂ O ₃ :Yb/Tm hollow capsules: controllable synthesis and drug release properties. <i>Inorganic Chemistry</i> , 2014 , 53, 10917-27	5.1	37
4	Lutecium fluoride hollow mesoporous spheres with enhanced up-conversion luminescent bioimaging and light-triggered drug release by gold nanocrystals. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 15550-63	9.5	38
3	Surfactant-free synthesis, luminescent properties, and drug-release properties of LaF ₃ and LaCO ₃ F hollow microspheres. <i>Inorganic Chemistry</i> , 2014 , 53, 998-1008	5.1	33
2	Highly uniform hollow GdF ₃ spheres: controllable synthesis, tuned luminescence, and drug-release properties. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 10806-18	9.5	52
1	Rare earth nanoparticles for sprayed and intravenous NIR II imaging with photodynamic therapy for tongue cancer. <i>Nanoscale Advances</i> ,	5.1	1