

Yuliang Zhao

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.

491
papers

43,308
citations

111
h-index

190
g-index

520
ext. papers

49,128
ext. citations

10.1
avg, IF

7.54
L-index

#	Paper	IF	Citations
491	Revealing the influence of Fe on Fe-rich phases formation and mechanical properties of cast Al-Mg-Mn-Fe alloys. <i>Journal of Alloys and Compounds</i> , 2022 , 901, 163666	5.7	3
490	Combinational application of metal-organic frameworks-based nanozyme and nucleic acid delivery in cancer therapy.. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2022 , e1773	9.2	1
489	Precision design of engineered nanomaterials to guide immune systems for disease treatment. <i>Matter</i> , 2022 , 5, 1162-1191	12.7	0
488	Oncolytic peptide nanomachine circumvents chemo resistance of renal cell carcinoma.. <i>Biomaterials</i> , 2022 , 284, 121488	15.6	0
487	Air pollution: A culprit of lung cancer.. <i>Journal of Hazardous Materials</i> , 2022 , 434, 128937	12.8	4
486	Study of the evolution mechanisms of Fe-rich phases in Al-Si-Fe alloys with Mn modification using synchrotron X-ray imaging. <i>Journal of Alloys and Compounds</i> , 2022 , 165378	5.7	1
485	Revealing the nucleation and growth mechanisms of Fe-rich phases in AlCuBe(-Si) alloys under the influence of AlTiB. <i>Intermetallics</i> , 2022 , 146, 107584	3.5	0
484	Accelerated discovery of superoxide-dismutase nanozymes via high-throughput computational screening. <i>Nature Communications</i> , 2021 , 12, 6866	17.4	12
483	Toxicity of manufactured nanomaterials. <i>Particuology</i> , 2021 ,	2.8	10
482	3D Imaging and Quantification of the Integrin at a Single-Cell Base on a Multisignal Nanoprobe and Synchrotron Radiation Soft X-ray Tomography Microscopy. <i>Analytical Chemistry</i> , 2021 , 93, 1237-1241	7.8	5
481	Effect of Mn/Fe ratio on Fe removal efficiency and tensile ductility of an Al _{0.05} Si _{0.4} Fe alloy. <i>Journal of Materials Research</i> , 2021 , 36, 1357-1366	2.5	2
480	Organelle-Specific Photoactivation of DNA Nanosensors for Precise Profiling of Subcellular Enzymatic Activity. <i>Angewandte Chemie</i> , 2021 , 133, 9005-9013	3.6	8
479	Organelle-Specific Photoactivation of DNA Nanosensors for Precise Profiling of Subcellular Enzymatic Activity. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 8923-8931	16.4	26
478	One-Step Synthesis of Single-Stranded DNA-Bridged Iron Oxide Supraparticles as MRI Contrast Agents. <i>Nano Letters</i> , 2021 , 21, 2793-2799	11.5	6
477	X-ray-Based Techniques to Study the Nano-Bio Interface. <i>ACS Nano</i> , 2021 , 15, 3754-3807	16.7	18
476	A bibliometric analysis: Research progress and prospects on transition metal dichalcogenides in the biomedical field. <i>Chinese Chemical Letters</i> , 2021 , 32, 3762-3762	8.1	3
475	Self-Assembly of CopperDNAzyme Nanohybrids for Dual-Catalytic Tumor Therapy. <i>Angewandte Chemie</i> , 2021 , 133, 14445-14449	3.6	7

474	Self-Assembly of Copper-DNAzyme Nanohybrids for Dual-Catalytic Tumor Therapy. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 14324-14328	16.4	28
473	Nucleation and growth of Fe-rich phases in Al-5Ti-1B modified Al-Fe alloys investigated using synchrotron X-ray imaging and electron microscopy. <i>Journal of Materials Science and Technology</i> , 2021 , 80, 84-99	9.1	10
472	Highly Stable Silica-Coated Bismuth Nanoparticles Deliver Tumor Microenvironment-Responsive Prodrugs to Enhance Tumor-Specific Photoradiotherapy. <i>Journal of the American Chemical Society</i> , 2021 , 143, 11449-11461	16.4	12
471	Fractionated regimen-suitable immunoradiotherapy sensitizer based on ultrasmall Fe ₄ Se ₂ W ₁₈ nanoclusters enable tumor-specific radiosensitization augment and antitumor immunity boost. <i>Nano Today</i> , 2021 , 36, 101003	17.9	10
470	Nanomedicine enables spatiotemporally regulating macrophage-based cancer immunotherapy. <i>Biomaterials</i> , 2021 , 268, 120552	15.6	6
469	Long-term exposure to titanium dioxide nanoparticles promotes diet-induced obesity through exacerbating intestinal mucus layer damage and microbiota dysbiosis. <i>Nano Research</i> , 2021 , 14, 1512-1522	11.9	10
468	New Insights from Chemical Biology: Molecular Basis of Transmission, Diagnosis, and Therapy of SARS-CoV-2. <i>CCS Chemistry</i> , 2021 , 3, 1501-1528	7.2	4
467	Molybdenum derived from nanomaterials incorporates into molybdenum enzymes and affects their activities in vivo. <i>Nature Nanotechnology</i> , 2021 , 16, 708-716	28.7	46
466	The Underlying Function and Structural Organization of the Intracellular Protein Corona on Graphdiyne Oxide Nanosheet for Local Immunomodulation. <i>Nano Letters</i> , 2021 , 21, 6005-6013	11.5	14
465	Research trend of nanoscience and nanotechnology [A bibliometric analysis of Nano Today. <i>Nano Today</i> , 2021 , 39, 101233	17.9	6
464	Nanotoxicology and nanomedicine: The Yin and Yang of nano-bio interactions for the new decade. <i>Nano Today</i> , 2021 , 39, 101184	17.9	16
463	An overview of the use of nanozymes in antibacterial applications. <i>Chemical Engineering Journal</i> , 2021 , 418, 129431	14.7	41
462	Colonic mucus-accumulating tungsten oxide nanoparticles improve the colitis therapy by targeting Enterobacteriaceae. <i>Nano Today</i> , 2021 , 39, 101234	17.9	3
461	X-ray-facilitated redox cycling of nanozyme possessing peroxidase-mimicking activity for reactive oxygen species-enhanced cancer therapy. <i>Biomaterials</i> , 2021 , 276, 121023	15.6	6
460	Plasmonic AuPt@CuS Heterostructure with Enhanced Synergistic Efficacy for Radiophothermal Therapy. <i>Journal of the American Chemical Society</i> , 2021 , 143, 16113-16127	16.4	15
459	Rational Design of Nanomaterials for Various Radiation-Induced Diseases Prevention and Treatment. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2001615	10.1	10
458	Reactive Oxygen Species-Regulating Strategies Based on Nanomaterials for Disease Treatment. <i>Advanced Science</i> , 2021 , 8, 2002797	13.6	40
457	Nano-bio interactions: the implication of size-dependent biological effects of nanomaterials. <i>Science China Life Sciences</i> , 2020 , 63, 1168-1182	8.5	24

456	Combination of tumour-infarction therapy and chemotherapy via the co-delivery of doxorubicin and thrombin encapsulated in tumour-targeted nanoparticles. <i>Nature Biomedical Engineering</i> , 2020 , 4, 732-742	19	51
455	An orthogonally regulatable DNA nanodevice for spatiotemporally controlled biorecognition and tumor treatment. <i>Science Advances</i> , 2020 , 6, eaba9381	14.3	53
454	A smart DNA nanodevice for ATP-activatable bioimaging and photodynamic therapy. <i>Science China Chemistry</i> , 2020 , 63, 1490-1497	7.9	8
453	Clinically Approved Carbon Nanoparticles with Oral Administration for Intestinal Radioprotection via Protecting the Small Intestinal Crypt Stem Cells and Maintaining the Balance of Intestinal Flora. <i>Small</i> , 2020 , 16, e1906915	11	23
452	Graphdiyne nanoradioprotector with efficient free radical scavenging ability for mitigating radiation-induced gastrointestinal tract damage. <i>Biomaterials</i> , 2020 , 244, 119940	15.6	25
451	The effect of size and surface ligands of iron oxide nanoparticles on blood compatibility.. <i>RSC Advances</i> , 2020 , 10, 7559-7569	3.7	22
450	Cell-Penetrating Nanoparticles Activate the Inflammasome to Enhance Antibody Production by Targeting Microtubule-Associated Protein 1-Light Chain 3 for Degradation. <i>ACS Nano</i> , 2020 , 14, 3703-3717	16.7	25
449	Ultrasmall BiOI Quantum Dots with Efficient Renal Clearance for Enhanced Radiotherapy of Cancer. <i>Advanced Science</i> , 2020 , 7, 1902561	13.6	40
448	BiO Nanosheets as Radiosensitizers with Catalase-Like Activity for Hypoxia Alleviation and Enhancement of the Radiotherapy of Tumors. <i>Inorganic Chemistry</i> , 2020 , 59, 3482-3493	5.1	30
447	Multiscale characterization of the nucleation and 3D structure of Al ₃ Sc phases using electron microscopy and synchrotron X-ray tomography. <i>Materials Characterization</i> , 2020 , 164, 110353	3.9	8
446	Immunological Responses Induced by Blood Protein Coronas on Two-Dimensional MoS Nanosheets. <i>ACS Nano</i> , 2020 , 14, 5529-5542	16.7	35
445	A Heterojunction Structured WO ₃ -WSe ₂ Nanoradiosensitizer Increases Local Tumor Ablation and Checkpoint Blockade Immunotherapy upon Low Radiation Dose. <i>ACS Nano</i> , 2020 , 14, 5400-5416	16.7	55
444	15 Years of Small: Research Trends in Nanosafety. <i>Small</i> , 2020 , 16, e2000980	11	20
443	Gd-metallofullerenol drug delivery system mediated macrophage polarization enhances the efficiency of chemotherapy. <i>Journal of Controlled Release</i> , 2020 , 320, 293-303	11.7	6
442	Time-Resolved Activation of pH Sensing and Imaging in Vivo by a Remotely Controllable DNA Nanomachine. <i>Nano Letters</i> , 2020 , 20, 874-880	11.5	34
441	Nd ³⁺ -Sensitized Upconversion Metal-Organic Frameworks for Mitochondria-Targeted Amplified Photodynamic Therapy. <i>Angewandte Chemie</i> , 2020 , 132, 2656-2660	3.6	7
440	Two-dimensional nanomaterials beyond graphene for antibacterial applications: current progress and future perspectives. <i>Theranostics</i> , 2020 , 10, 757-781	12.1	72
439	Single-Particle Analysis for Structure and Iron Chemistry of Atmospheric Particulate Matter. <i>Analytical Chemistry</i> , 2020 , 92, 975-982	7.8	14

438	Nd -Sensitized Upconversion Metal-Organic Frameworks for Mitochondria-Targeted Amplified Photodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 2634-2638	16.4	99
437	Stimuli-Responsive Small-on-Large Nanoradiosensitizer for Enhanced Tumor Penetration and Radiotherapy Sensitization. <i>ACS Nano</i> , 2020 , 14, 10001-10017	16.7	38
436	Implications of the Human Gut-Brain and Gut-Cancer Axes for Future Nanomedicine. <i>ACS Nano</i> , 2020 , 14, 14391-14416	16.7	13
435	Progress, challenges, and future of nanomedicine. <i>Nano Today</i> , 2020 , 35, 101008	17.9	32
434	Density Functional Theory-Based Method to Predict the Activities of Nanomaterials as Peroxidase Mimics. <i>ACS Catalysis</i> , 2020 , 10, 12657-12665	13.1	33
433	Suppressing the Radiation-Induced Corrosion of Bismuth Nanoparticles for Enhanced Synergistic Cancer Radiophototherapy. <i>ACS Nano</i> , 2020 , 14, 13016-13029	16.7	24
432	Glucose-responsive cascaded nanocatalytic reactor with self-modulation of the tumor microenvironment for enhanced chemo-catalytic therapy. <i>Materials Horizons</i> , 2020 , 7, 1834-1844	14.4	36
431	A Dual-Response DNA Probe for Simultaneously Monitoring Enzymatic Activity and Environmental pH Using a Nanopore. <i>Angewandte Chemie</i> , 2019 , 131, 15071-15076	3.6	3
430	Engineered Graphene Oxide Nanocomposite Capable of Preventing the Evolution of Antimicrobial Resistance. <i>ACS Nano</i> , 2019 , 13, 11488-11499	16.7	40
429	Bacillus subtilis causes dissolution of ceria nanoparticles at the nanoBio interface. <i>Environmental Science: Nano</i> , 2019 , 6, 216-223	7.1	11
428	3D characterization of ultrasonic melt processing on the microstructural refinement of AlCu alloys using synchrotron X-ray tomography. <i>Materials Characterization</i> , 2019 , 153, 354-365	3.9	15
427	Exploring the Interaction of Fullerenol with Key Digestive Proteases Using Raman-Based Frequency-Shift Sensing and Molecular Simulation Analysis.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 2946-2954 ⁴¹		1
426	Precision Nanomedicine Development Based on Specific Opsonization of Human Cancer Patient-Personalized Protein Coronas. <i>Nano Letters</i> , 2019 , 19, 4692-4701	11.5	44
425	An Acidic-Microenvironment-Driven DNA Nanomachine Enables Specific ATP Imaging in the Extracellular Milieu of Tumor. <i>Advanced Materials</i> , 2019 , 31, e1901885	24	58
424	Simultaneous enzyme mimicking and chemical reduction mechanisms for nanoceria as a bio-antioxidant: a catalytic model bridging computations and experiments for nanozymes. <i>Nanoscale</i> , 2019 , 11, 13289-13299	7.7	45
423	Strategies based on metal-based nanoparticles for hypoxic-tumor radiotherapy. <i>Chemical Science</i> , 2019 , 10, 6932-6943	9.4	53
422	Free-standing 2D nanorrafts by assembly of 1D nanorods for biomolecule sensing. <i>Nanoscale</i> , 2019 , 11, 12169-12176	7.7	28
421	Ultrasensitive Detection of Circulating Tumor DNA of Lung Cancer via an Enzymatically Amplified SERS-Based Frequency Shift Assay. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 18145-18152	9.5	41

4 ²⁰	Influence of Surface Charge on the Phytotoxicity, Transformation, and Translocation of CeO Nanoparticles in Cucumber Plants. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 16905-16913	9.5	22
4 ¹⁹	An Extendable Star-Like Nanoplatform for Functional and Anatomical Imaging-Guided Photothermal Oncotherapy. <i>ACS Nano</i> , 2019 , 13, 4379-4391	16.7	42
4 ¹⁸	Comparative study of core- and surface-radiolabeling strategies for the assembly of iron oxide nanoparticle-based theranostic nanocomposites. <i>Nanoscale</i> , 2019 , 11, 5909-5913	7.7	3
4 ¹⁷	Surface-Functionalized Modified Copper Sulfide Nanoparticles Enhance Checkpoint Blockade Tumor Immunotherapy by Photothermal Therapy and Antigen Capturing. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 13964-13972	9.5	64
4 ¹⁶	Recent advances of stimuli-responsive systems based on transition metal dichalcogenides for smart cancer therapy. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 2588-2607	7.3	21
4 ¹⁵	Enhanced Generation of Non-Oxygen Dependent Free Radicals by Schottky-type Heterostructures of Au-BiS Nanoparticles via X-ray-Induced Catalytic Reaction for Radiosensitization. <i>ACS Nano</i> , 2019 , 13, 5947-5958	16.7	82
4 ¹⁴	A Safe-by-Design Strategy towards Safer Nanomaterials in Nanomedicines. <i>Advanced Materials</i> , 2019 , 31, e1805391	24	70
4 ¹³	Progress and Prospects of Graphdiyne-Based Materials in Biomedical Applications. <i>Advanced Materials</i> , 2019 , 31, e1804386	24	71
4 ¹²	Precise design of nanomedicines: perspectives for cancer treatment. <i>National Science Review</i> , 2019 , 6, 1107-1110	10.8	19
4 ¹¹	Graphene-Based Smart Platforms for Combined Cancer Therapy. <i>Advanced Materials</i> , 2019 , 31, e1800662	24	156
4 ¹⁰	Near-Infrared Light-Initiated Hybridization Chain Reaction for Spatially and Temporally Resolved Signal Amplification. <i>Angewandte Chemie</i> , 2019 , 131, 15019-15023	3.6	20
4 ⁰⁹	Near-Infrared Light-Initiated Hybridization Chain Reaction for Spatially and Temporally Resolved Signal Amplification. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 14877-14881	16.4	89
4 ⁰⁸	A Dual-Response DNA Probe for Simultaneously Monitoring Enzymatic Activity and Environmental pH Using a Nanopore. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 14929-14934	16.4	31
4 ⁰⁷	The pharmaceutical multi-activity of metallofullerenol invigorates cancer therapy. <i>Nanoscale</i> , 2019 , 11, 14528-14539	7.7	11
4 ⁰⁶	Stability of Ligands on Nanoparticles Regulating the Integrity of Biological Membranes at the Nano-Lipid Interface. <i>ACS Nano</i> , 2019 , 13, 8680-8693	16.7	38
4 ⁰⁵	Cellular Responses to Exposure to Outdoor Air from the Chinese Spring Festival at the Air-Liquid Interface. <i>Environmental Science & Technology</i> , 2019 , 53, 9128-9138	10.3	3
4 ⁰⁴	Nanomedicine-Based Immunotherapy for the Treatment of Cancer Metastasis. <i>Advanced Materials</i> , 2019 , 31, e1904156	24	76
4 ⁰³	Emerging Delivery Strategies of Carbon Monoxide for Therapeutic Applications: from CO Gas to CO Releasing Nanomaterials. <i>Small</i> , 2019 , 15, e1904382	11	36

402	Tumor Microenvironment-Responsive Cu(OH)PO Nanocrystals for Selective and Controllable Radiosensitization via the X-ray-Triggered Fenton-like Reaction. <i>Nano Letters</i> , 2019 , 19, 1749-1757	11.5	98
401	Efficient Near Infrared Light Triggered Nitric Oxide Release Nanocomposites for Sensitizing Mild Photothermal Therapy. <i>Advanced Science</i> , 2019 , 6, 1801122	13.6	102
400	Developing high performance mechanical properties at elevated temperature in squeeze cast Al-Cu-Mn-Fe-Ni alloys. <i>Materials Characterization</i> , 2019 , 150, 128-137	3.9	15
399	Translocation, biotransformation-related degradation, and toxicity assessment of polyvinylpyrrolidone-modified 2H-phase nano-MoS. <i>Nanoscale</i> , 2019 , 11, 4767-4780	7.7	28
398	3D halos assembled from FeO/Au NPs with enhanced catalytic and optical properties. <i>Nanoscale</i> , 2019 , 11, 20968-20976	7.7	10
397	A tumour-selective cascade activatable self-detained system for drug delivery and cancer imaging. <i>Nature Communications</i> , 2019 , 10, 4861	17.4	85
396	Effect of Compound Fields of Ultrasonic Vibration and Applied Pressure on the 3D Microstructure and Tensile Properties of Recycled Al-Cu-Mn-Fe-Si Alloys. <i>Materials</i> , 2019 , 12,	3.5	7
395	A photochromic upconversion nanoarchitecture: towards activatable bioimaging and dual NIR light-programmed singlet oxygen generation. <i>Chemical Science</i> , 2019 , 10, 10231-10239	9.4	30
394	Emerging Strategies of Nanomaterial-Mediated Tumor Radiosensitization. <i>Advanced Materials</i> , 2019 , 31, e1802244	24	128
393	Generalized Preparation of Two-Dimensional Quasi-nanosheets via Self-assembly of Nanoparticles. <i>Journal of the American Chemical Society</i> , 2019 , 141, 1725-1734	16.4	22
392	Synchrotron X-ray tomography investigation of 3D morphologies of intermetallic phases and pores and their effect on the mechanical properties of cast Al-Cu alloys. <i>Journal of Alloys and Compounds</i> , 2019 , 777, 1054-1065	5.7	17
391	Tumor microenvironment-manipulated radiocatalytic sensitizer based on bismuth heteropolytungstate for radiotherapy enhancement. <i>Biomaterials</i> , 2019 , 189, 11-22	15.6	91
390	Engineering Multifunctional DNA Hybrid Nanospheres through Coordination-Driven Self-Assembly. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 1350-1354	16.4	88
389	Graphdiyne Nanoparticles with High Free Radical Scavenging Activity for Radiation Protection. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 2579-2590	9.5	76
388	Immobilized Ferrous Ion and Glucose Oxidase on Graphdiyne and Its Application on One-Step Glucose Detection. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 2647-2654	9.5	56
387	Turning On/Off the Anti-Tumor Effect of the Au Cluster via Atomically Controlling Its Molecular Size. <i>ACS Nano</i> , 2018 , 12, 4378-4386	16.7	29
386	Probing Adsorption Behaviors of BSA onto Chiral Surfaces of Nanoparticles. <i>Small</i> , 2018 , 14, e1703982	11	38
385	Graphdiyne Nanosheet-Based Drug Delivery Platform for Photothermal/Chemotherapy Combination Treatment of Cancer. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 8436-8442	9.5	96

384	Acute Oral Administration of Single-Walled Carbon Nanotubes Increases Intestinal Permeability and Inflammatory Responses: Association with the Changes in Gut Microbiota in Mice. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1701313	10.1	22
383	A DNA nanorobot functions as a cancer therapeutic in response to a molecular trigger in vivo. <i>Nature Biotechnology</i> , 2018 , 36, 258-264	44.5	702
382	Peroxidase-like activity of MoS nanoflakes with different modifications and their application for HO and glucose detection. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 487-498	7.3	103
381	Nanomaterial libraries and model organisms for rapid high-content analysis of nanosafety. <i>National Science Review</i> , 2018 , 5, 365-388	10.8	13
380	Intelligent MoS Nanotheranostic for Targeted and Enzyme-/pH-/NIR-Responsive Drug Delivery To Overcome Cancer Chemotherapy Resistance Guided by PET Imaging. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 4271-4284	9.5	93
379	Early-life exposure to three size-fractionated ultrafine and fine atmospheric particulates in Beijing exacerbates asthma development in mature mice. <i>Particle and Fibre Toxicology</i> , 2018 , 15, 13	8.4	37
378	Specific detection and effective inhibition of a single bacterial species in situ using peptide mineralized Au cluster probes. <i>Science China Chemistry</i> , 2018 , 61, 627-634	7.9	9
377	Intelligent testing strategy and analytical techniques for the safety assessment of nanomaterials. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 6051-6066	4.4	33
376	Nucleosome-inspired nanocarrier obtains encapsulation efficiency enhancement and side effects reduction in chemotherapy by using fullerene assembled with doxorubicin. <i>Biomaterials</i> , 2018 , 167, 205-215	15.6	43
375	Molecular mechanism of Gd@C(OH) increasing collagen expression: Implication for engaging tumor. <i>Biomaterials</i> , 2018 , 152, 24-36	15.6	20
374	Application of Multifunctional Nanomaterials in Radioprotection of Healthy Tissues. <i>Advanced Healthcare Materials</i> , 2018 , 7, e1800421	10.1	37
373	A Size-Reducible Nanodrug with an Aggregation-Enhanced Photodynamic Effect for Deep Chemo-Photodynamic Therapy. <i>Angewandte Chemie</i> , 2018 , 130, 11554-11558	3.6	21
372	A Size-Reducible Nanodrug with an Aggregation-Enhanced Photodynamic Effect for Deep Chemo-Photodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 11384-11388	16.4	148
371	Walking the line: The fate of nanomaterials at biological barriers. <i>Biomaterials</i> , 2018 , 174, 41-53	15.6	93
370	In Situ Monitoring the Aggregation Dynamics of Amyloid- β Protein A β 2 in Physiological Media via a Raman-Based Frequency Shift Method. <i>ACS Applied Bio Materials</i> , 2018 , 1, 814-824	4.1	11
369	Reversal of pancreatic desmoplasia by re-educating stellate cells with a tumour microenvironment-activated nanosystem. <i>Nature Communications</i> , 2018 , 9, 3390	17.4	166
368	Gd@C(OH) harnesses inflammatory regeneration for osteogenesis of mesenchymal stem cells through JNK/STAT3 signaling pathway. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 5802-5811	7.3	10
367	Rational Design of Conjugated Photosensitizers with Controllable Photoconversion for Dually Cooperative Phototherapy. <i>Advanced Materials</i> , 2018 , 30, e1801216	24	123

366	Effect of Si on Fe-rich intermetallic formation and mechanical properties of heat-treated AlCuMnFe alloys. <i>Journal of Materials Research</i> , 2018 , 33, 898-911	2.5	13
365	Biodegradable MoO nanoparticles with efficient near-infrared photothermal and photodynamic synergetic cancer therapy at the second biological window. <i>Nanoscale</i> , 2018 , 10, 1517-1531	7.7	108
364	Quantification of Nanomaterial/Nanomedicine Trafficking in Vivo. <i>Analytical Chemistry</i> , 2018 , 90, 589-614.8	14.8	60
363	Hydrophobicity-Adaptive Nanogels for Programmed Anticancer Drug Delivery. <i>Nano Letters</i> , 2018 , 18, 7909-7918	11.5	56
362	Solidifying framework nucleic acids. <i>Science China Chemistry</i> , 2018 , 61, 1481-1482	7.9	
361	Precise nanomedicine for intelligent therapy of cancer. <i>Science China Chemistry</i> , 2018 , 61, 1503-1552	7.9	256
360	Ultrasensitive Detection of Serum MicroRNA Using Branched DNA-Based SERS Platform Combining Simultaneous Detection of α -Fetoprotein for Early Diagnosis of Liver Cancer. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 34869-34877	9.5	37
359	Mechanisms of Antioxidant Activities of Fullerenols from First-Principles Calculation. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 8183-8190	2.8	16
358	The Precise Diagnosis of Cancer Invasion/Metastasis via 2D Laser Ablation Mass Mapping of Metalloproteinase in Primary Cancer Tissue. <i>ACS Nano</i> , 2018 , 12, 11139-11151	16.7	15
357	Functionalized MoS Nanovehicle with Near-Infrared Laser-Mediated Nitric Oxide Release and Photothermal Activities for Advanced Bacteria-Infected Wound Therapy. <i>Small</i> , 2018 , 14, e1802290	11	158
356	Free-Floating 2D Nanosheets with a Superlattice Assembled from FeO Nanoparticles for Peroxidase-Mimicking Activity. <i>ACS Applied Nano Materials</i> , 2018 , 1, 5389-5395	5.6	7
355	X-Ray-Controlled Generation of Peroxynitrite Based on Nanosized LiLuF :Ce Scintillators and their Applications for Radiosensitization. <i>Advanced Materials</i> , 2018 , 30, e1804046	24	78
354	Simultaneous Quantification of Multiple Cancer Biomarkers in Blood Samples through DNA-Assisted Nanopore Sensing. <i>Angewandte Chemie</i> , 2018 , 130, 12058-12063	3.6	9
353	Simultaneous Quantification of Multiple Cancer Biomarkers in Blood Samples through DNA-Assisted Nanopore Sensing. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 11882-11887	16.4	48
352	Harnessing Tumor Microenvironment for Nanoparticle-Mediated Radiotherapy. <i>Advanced Therapeutics</i> , 2018 , 1, 1800050	4.9	26
351	Trophic Transfer and Transformation of CeO Nanoparticles along a Terrestrial Food Chain: Influence of Exposure Routes. <i>Environmental Science & Technology</i> , 2018 , 52, 7921-7927	10.3	37
350	A highly sensitive SERS-based platform for Zn(ii) detection in cellular media. <i>Chemical Communications</i> , 2017 , 53, 1797-1800	5.8	21
349	Size-Dependent AgS Nanodots for Second Near-Infrared Fluorescence/Photoacoustics Imaging and Simultaneous Photothermal Therapy. <i>ACS Nano</i> , 2017 , 11, 1848-1857	16.7	283

348	Biodistribution, excretion, and toxicity of polyethyleneimine modified NaYF:Yb,Er upconversion nanoparticles in mice via different administration routes. <i>Nanoscale</i> , 2017 , 9, 4497-4507	7.7	48
347	Protein-directed synthesis of Bi ₂ S ₃ nanoparticles as an efficient contrast agent for visualizing the gastrointestinal tract. <i>RSC Advances</i> , 2017 , 7, 17505-17513	3.7	11
346	Design of TPGS-functionalized CuBiS nanocrystals with strong absorption in the second near-infrared window for radiation therapy enhancement. <i>Nanoscale</i> , 2017 , 9, 8229-8239	7.7	57
345	Chiral Surface of Nanoparticles Determines the Orientation of Adsorbed Transferrin and Its Interaction with Receptors. <i>ACS Nano</i> , 2017 , 11, 4606-4616	16.7	81
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21	Development of a mild mercaptoethanol extraction method for determination of mercury species in biological samples by HPLC-ICP-MS. <i>Talanta</i> , 2007 , 71, 2034-9	6.2	163
20	Photochemical and photophysical properties of three carbon-bridged fullerene dimers: C121 (I, II, III). <i>Journal of Physical Chemistry B</i> , 2007 , 111, 6344-8	3.4	10
19	Quantitative analysis of proteins via sulfur determination by HPLC coupled to isotope dilution ICPMS with a hexapole collision cell. <i>Analytical Chemistry</i> , 2007 , 79, 9128-34	7.8	72
18	In situ observation of C60(C(COOH)2)2 interacting with living cells using fluorescence microscopy. <i>Science Bulletin</i> , 2006 , 51, 1060-1064		17
17	Antioxidative function and biodistribution of [Gd@C82(OH)22]n nanoparticles in tumor-bearing mice. <i>Biochemical Pharmacology</i> , 2006 , 71, 872-81	6	138
16	Long-term effects of lanthanum intake on the neurobehavioral development of the rat. <i>Neurotoxicology and Teratology</i> , 2006 , 28, 119-24	3.9	56
15	Elimination efficiency of different reagents for the memory effect of mercury using ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2006 , 21, 94-96	3.7	283
14	Acute toxicological effects of copper nanoparticles in vivo. <i>Toxicology Letters</i> , 2006 , 163, 109-20	4.4	691
13	Neurotoxicological consequence of long-term exposure to lanthanum. <i>Toxicology Letters</i> , 2006 , 165, 112-20	4.4	117
12	Study of rare earth encapsulated carbon nanomolecules for biomedical uses. <i>Journal of Alloys and Compounds</i> , 2006 , 408-412, 400-404	5.7	26
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10	Multihydroxylated [Gd@C82(OH)22]n nanoparticles: antineoplastic activity of high efficiency and low toxicity. <i>Nano Letters</i> , 2005 , 5, 2050-7	11.5	256
9	Tuning electronic properties of metallic atom in bondage to a nanospace. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 8779-85	3.4	36
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7	Synthesis of new carbon nanomolecule: C141. <i>Science Bulletin</i> , 2004 , 49, 793-796		5

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5	Highly selective and simple synthesis of C ₂ (m)-X-C ₂ (n) fullerene dimers. <i>Journal of the American Chemical Society</i> , 2004 , 126, 11134-5	16.4	36
4	Biodistribution of carbon single-wall carbon nanotubes in mice. <i>Journal of Nanoscience and Nanotechnology</i> , 2004 , 4, 1019-24	1.3	311
3	Influences of Structural Properties on Stability of Fullerenols. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 11473-11479	3.4	130
2	Isolation and characterization of light actinide metallofullerenes. <i>Journal of the American Chemical Society</i> , 2001 , 123, 181-2	16.4	60
1	Nanotoxicity of Metal Oxide Nanoparticles in Vivo 247-269		4