

# Zhuo Chen

## List of Publications by Year in descending order

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76  
papers

6,075  
citations

159525

30  
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69214

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79  
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docs citations

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times ranked

10070  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Magnetocatalytic Propelled Cobalt@Platinum@Graphene Navigator for Enhanced Tumor Penetration and Theranostics. <i>CCS Chemistry</i> , 2022, 4, 2382-2395.	4.6	16
2	Hydrogen-Bonding-Induced H-Aggregation of Charge-Transfer Complexes for Ultra-Efficient Second Near-Infrared Region Photothermal Conversion. <i>CCS Chemistry</i> , 2022, 4, 2333-2343.	4.6	14
3	Stabilizing Enzymes in Plasmonic Silk Film for Synergistic Therapy of In Situ SERS Identified Bacteria. <i>Advanced Science</i> , 2022, 9, e2104576.	5.6	17
4	Charge-Transfer Cocrystal via a Persistent Radical Cation Acceptor for Efficient Solar Thermal Conversion. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	29
5	Versatile graphitic nanozymes for magneto actuated cascade reaction-enhanced treatment of <i>S. mutans</i> biofilms. <i>Nano Research</i> , 2022, 15, 9800-9808.	5.8	9
6	Advances in metal graphitic nanocapsules for biomedicine. <i>Exploration</i> , 2022, 2, .	5.4	16
7	A Novel Risk Model Based on Autophagy-Related LncRNAs Predicts Prognosis and Indicates Immune Infiltration Landscape of Patients With Cutaneous Melanoma. <i>Frontiers in Genetics</i> , 2022, 13, 885391.	1.1	7
8	Metal Graphitic Nanocapsules for Theranostics in Harsh Conditions. <i>Frontiers in Chemistry</i> , 2022, 10, .	1.8	1
9	Integrated microbiome, metabolome, and proteome analysis identifies a novel interplay among commensal bacteria, metabolites and candidate targets in non-small cell lung cancer. <i>Clinical and Translational Medicine</i> , 2022, 12, .	1.7	16
10	Natural interface-mediated self-assembly of graphene-isolated-nanocrystals for plasmonic arrays construction and personalized information acquisition. <i>Nano Research</i> , 2022, 15, 9327-9333.	5.8	3
11	In situ pepsin-assisted needle assembly of magnetic-graphitic-nanocapsules for enhanced gastric retention and mucus penetration. <i>Nano Today</i> , 2021, 36, 101032.	6.2	18
12	Graphene encapsulated Ru nanocrystal with highly-efficient peroxidase-like activity for glutathione detection at near-physiological pH. <i>Chemical Communications</i> , 2021, 57, 7669-7672.	2.2	22
13	In vivo activation of pH-responsive oxidase-like graphitic nanozymes for selective killing of <i>Helicobacter pylori</i> . <i>Nature Communications</i> , 2021, 12, 2002.	5.8	99
14	In Situ Gastric pH Imaging with Hydrogel Capsule Isolated Paramagnetic Metallo-albumin Complexes. <i>Analytical Chemistry</i> , 2021, 93, 5939-5946.	3.2	7
15	Alkyne functionalized graphene-isolated-Au nanocrystal for the ratiometric SERS sensing of alkaline phosphatase with acetonitrile solvent as an internal standard. <i>Sensors and Actuators B: Chemical</i> , 2021, 331, 129373.	4.0	19
16	Covalent Amide-Bonded Nanoflares for High-Fidelity Intracellular Sensing and Targeted Therapy: A Superstable Nanosystem Free of Nonspecific Interferences. <i>Analytical Chemistry</i> , 2021, 93, 7879-7888.	3.2	8
17	Versatile Graphene-Isolated AuAg Nanocrystal for Multiphase Analysis and Multimodal Cellular Raman Imaging. <i>Chinese Journal of Chemistry</i> , 2021, 39, 1491-1497.	2.6	8
18	Enzyme-mimic activity study of superstable and ultrasmall graphene encapsuled CoRu nanocrystal. <i>APL Materials</i> , 2021, 9, .	2.2	6

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19	Application of Multigroup Technology in Non-Small-Cell Lung Cancer with Qi Stagnation and Blood Stasis Syndrome. Evidence-based Complementary and Alternative Medicine, 2021, 2021, 1-14.	0.5	1
20	Plasmon Coupling in DNA-Assembled Silver Nanoclusters. Journal of the American Chemical Society, 2021, 143, 14573-14580.	6.6	13
21	Recent Advances in Multifunctional Graphitic Nanocapsules for Raman Detection, Imaging, and Therapy. Small Methods, 2020, 4, 1900440.	4.6	13
22	<i>Akkermansia muciniphila</i> Enhances the Antitumor Effect of Cisplatin in Lewis Lung Cancer Mice. Journal of Immunology Research, 2020, 2020, 1-13.	0.9	30
23	Precise Deposition of Polydopamine on Cancer Cell Membrane as Artificial Receptor for Targeted Drug Delivery. IScience, 2020, 23, 101750.	1.9	9
24	Integrated Analyses Identify Immune-Related Signature Associated with Qingyihuaji Formula for Treatment of Pancreatic Ductal Adenocarcinoma Using Network Pharmacology and Weighted Gene Co-Expression Network. Journal of Immunology Research, 2020, 2020, 1-17.	0.9	10
25	Carbon-coated FeCo nanoparticles as sensitive magnetic-particle-imaging tracers with photothermal and magnetothermal properties. Nature Biomedical Engineering, 2020, 4, 325-334.	11.6	160
26	Interaction-Transferable Graphene-Isolated Superstable AuCo Nanocrystal-Enabled Direct Cyanide Capture. Analytical Chemistry, 2019, 91, 8762-8766.	3.2	9
27	Free-standing 2D nanorrafts by assembly of 1D nanorods for biomolecule sensing. Nanoscale, 2019, 11, 12169-12176.	2.8	30
28	Versatile metal graphitic nanocapsules for SERS bioanalysis. Chinese Chemical Letters, 2019, 30, 1581-1592.	4.8	19
29	Zinc-substituted hemoglobin with specific drug binding sites and fatty acid resistance ability for enhanced photodynamic therapy. Nano Research, 2019, 12, 1880-1887.	5.8	15
30	Stable gold graphitic nanocapsule doped hydrogels for efficient photothermal antibacterial applications. Chemical Communications, 2019, 55, 5359-5362.	2.2	40
31	3D halos assembled from Fe <sub>3</sub> O <sub>4</sub> /Au NPs with enhanced catalytic and optical properties. Nanoscale, 2019, 11, 20968-20976.	2.8	14
32	The influence of physiological environment on the targeting effect of aptamer-guided gold nanoparticles. Nano Research, 2019, 12, 129-135.	5.8	20
33	Generalized Preparation of Two-Dimensional Quasi-nanosheets via Self-assembly of Nanoparticles. Journal of the American Chemical Society, 2019, 141, 1725-1734.	6.6	29
34	Synthesis and Characterization of Small Size Gold-Graphitic Nanocapsules. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2019, 35, 651-656.	2.2	5
35	Isotopic graphene-encapsulated-Au-nanocrystals with cellular Raman-silent signals for cancer cell pattern recognition. Chemical Science, 2018, 9, 2842-2849.	3.7	51
36	Electrochemical determination of paracetamol based on Au@graphene core-shell nanoparticles doped conducting polymer PEDOT nanocomposite. Sensors and Actuators B: Chemical, 2018, 260, 778-785.	4.0	78

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37	Simultaneous Application of Photothermal Therapy and an Anti-inflammatory Prodrug using Pyrene-Aspirin-Loaded Gold Nanorod Graphitic Nanocapsules. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 177-181.	7.2	169
38	Simultaneous Application of Photothermal Therapy and an Anti-inflammatory Prodrug using Pyrene-Aspirin-Loaded Gold Nanorod Graphitic Nanocapsules. <i>Angewandte Chemie</i> , 2018, 130, 183-187.	1.6	28
39	Precise nanomedicine for intelligent therapy of cancer. <i>Science China Chemistry</i> , 2018, 61, 1503-1552.	4.2	336
40	Collaborative Penalized Least Squares for Background Correction of Multiple Raman Spectra. <i>Journal of Analytical Methods in Chemistry</i> , 2018, 2018, 1-11.	0.7	3
41	Portable and Label-Free Detection of Blood Bilirubin with Graphene-Isolated-Au-Nanocrystals Paper Strip. <i>Analytical Chemistry</i> , 2018, 90, 13687-13694.	3.2	47
42	Surfactant-Free Interface Suspended Gold Graphitic Surface-Enhanced Raman Spectroscopy Substrate for Simultaneous Multiphase Analysis. <i>Analytical Chemistry</i> , 2018, 90, 11183-11187.	3.2	21
43	Free-Floating 2D Nanosheets with a Superlattice Assembled from Fe <sub>3</sub> O <sub>4</sub> Nanoparticles for Peroxidase-Mimicking Activity. <i>ACS Applied Nano Materials</i> , 2018, 1, 5389-5395.	2.4	9
44	Synthesis of amphiphilic graphitic silver nanoparticles with inherent internal standards: an efficient strategy for reliable quantitative SERS analysis in common fluids. <i>Chemical Communications</i> , 2018, 54, 8618-8621.	2.2	13
45	In situ targeted MRI detection of <i>Helicobacter pylori</i> with stable magnetic graphitic nanocapsules. <i>Nature Communications</i> , 2017, 8, 15653.	5.8	41
46	Graphitic nanocapsules: design, synthesis and bioanalytical applications. <i>Nanoscale</i> , 2017, 9, 10529-10543.	2.8	10
47	Applications of Graphitic Nanomaterial's Optical Properties in Biochemical Sensing. <i>Wuli Huaxue Xuebao/ Acta Physico-Chimica Sinica</i> , 2017, 33, 28-39.	2.2	5
48	Elucidating the cellular uptake mechanism of aptamer-functionalized graphene-isolated-Au-nanocrystals with dual-modal imaging. <i>Analyst, The</i> , 2016, 141, 3337-3342.	1.7	15
49	Modulating the Morphology of Gold Graphitic Nanocapsules for Plasmon Resonance-Enhanced Multimodal Imaging. <i>Analytical Chemistry</i> , 2016, 88, 5385-5391.	3.2	25
50	Stable Graphene-Isolated-Au-Nanocrystal for Accurate and Rapid Surface Enhancement Raman Scattering Analysis. <i>Analytical Chemistry</i> , 2016, 88, 10611-10616.	3.2	54
51	Stable and unique graphitic Raman internal standard nanocapsules for surface-enhanced Raman spectroscopy quantitative analysis. <i>Nano Research</i> , 2016, 9, 1418-1425.	5.8	45
52	Simultaneous tracking of drug molecules and carriers using aptamer-functionalized fluorescent superstable gold nanorod-carbon nanocapsules during thermo-chemotherapy. <i>Nanoscale</i> , 2016, 8, 7942-7948.	2.8	28
53	Nuclease-resistant synthetic drug-DNA adducts: programmable drug-DNA conjugation for targeted anticancer drug delivery. <i>NPG Asia Materials</i> , 2015, 7, e169-e169.	3.8	34
54	Fabrication of GO/magnetic graphitic nanocapsule/TiO <sub>2</sub> assemblies as efficient and recyclable photocatalysts. <i>Science China Chemistry</i> , 2015, 58, 1131-1136.	4.2	7

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55	Fabrication of superstable gold nanorod-carbon nanocapsule as a molecule loading material. <i>Science Bulletin</i> , 2015, 60, 1101-1107.	4.3	18
56	Localizable and Photoactivatable Fluorophore for Spatiotemporal Two-Photon Bioimaging. <i>Analytical Chemistry</i> , 2015, 87, 5626-5631.	3.2	60
57	Multiple Functional Nanoprobe for Contrast-Enhanced Bimodal Cellular Imaging and Targeted Therapy. <i>Analytical Chemistry</i> , 2015, 87, 4448-4454.	3.2	69
58	Fluorescent Nanosensor for Probing Histone Acetyltransferase Activity Based on Acetylation Protection and Magnetic Graphitic Nanocapsules. <i>Small</i> , 2015, 11, 877-885.	5.2	40
59	Magnetic-graphitic-nanocapsule templated diacetylene assembly and photopolymerization for sensing and multicolored anti-counterfeiting. <i>Nanoscale</i> , 2014, 6, 13097-13103.	2.8	23
60	Alkyne-Functionalized Superstable Graphitic Silver Nanoparticles for Raman Imaging. <i>Journal of the American Chemical Society</i> , 2014, 136, 13558-13561.	6.6	154
61	Aptamer-conjugated nanomaterials for specific cancer cell recognition and targeted cancer therapy. <i>NPG Asia Materials</i> , 2014, 6, e95-e95.	3.8	111
62	Hollow graphitic nanocapsules as efficient electrode materials for sensitive Hydrogen peroxide detection. <i>Biosensors and Bioelectronics</i> , 2014, 52, 438-444.	5.3	24
63	Plasma-assisted nitrogen doping of graphene-encapsulated Pt nanocrystals as efficient fuel cell catalysts. <i>Journal of Materials Chemistry A</i> , 2014, 2, 472-477.	5.2	44
64	Fabrication of Graphene-isolated-Au-nanocrystal Nanostructures for Multimodal Cell Imaging and Photothermal-enhanced Chemotherapy. <i>Scientific Reports</i> , 2014, 4, 6093.	1.6	95
65	Noncanonical Self-Assembly of Multifunctional DNA Nanoflowers for Biomedical Applications. <i>Journal of the American Chemical Society</i> , 2013, 135, 16438-16445.	6.6	357
66	Magnetic Graphitic Nanocapsules for Programmed DNA Fishing and Detection. <i>Small</i> , 2013, 9, 951-957.	5.2	39
67	Pattern Recognition of Cancer Cells Using Aptamer-Conjugated Magnetic Nanoparticles. <i>ACS Nano</i> , 2012, 6, 3974-3981.	7.3	162
68	Graphite-Coated Magnetic Nanoparticle Microarray for Few-Cells Enrichment and Detection. <i>ACS Nano</i> , 2012, 6, 1094-1101.	7.3	57
69	Single-walled carbon nanotubes as optical materials for biosensing. <i>Nanoscale</i> , 2011, 3, 1949.	2.8	79
70	Advanced asymmetrical supercapacitors based on graphene hybrid materials. <i>Nano Research</i> , 2011, 4, 729-736.	5.8	390
71	Cell-SELEX-based aptamer-conjugated nanomaterials for enhanced targeting of cancer cells. <i>Science China Chemistry</i> , 2011, 54, 1218-1226.	4.2	20
72	TiO <sub>2</sub> nanocrystals grown on graphene as advanced photocatalytic hybrid materials. <i>Nano Research</i> , 2010, 3, 701-705.	5.8	693

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73	A route to brightly fluorescent carbon nanotubes for near-infrared imaging in mice. Nature Nanotechnology, 2009, 4, 773-780.	15.6	1,068
74	Preparation of carbon nanotube bioconjugates for biomedical applications. Nature Protocols, 2009, 4, 1372-1381.	5.5	398
75	Protein microarrays with carbon nanotubes as multicolor Raman labels. Nature Biotechnology, 2008, 26, 1285-1292.	9.4	317
76	Charge-Transfer Cocrystal via a Persistent Radical Cation Acceptor for Efficient Solar-Thermal Conversion. Angewandte Chemie, 0, , .	1.6	6