

Zhongmin Tang

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

6,185
citations

136740

32
h-index

174990

52
g-index

54
all docs

54
docs citations

54
times ranked

5082
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemodynamic Therapy: Tumour Microenvironment-Mediated Fenton and Fenton-Like Reactions. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 946-956.	7.2	1,405
2	Antiferromagnetic Pyrite as the Tumor Microenvironment-Mediated Nanoplatform for Self-Enhanced Tumor Imaging and Therapy. <i>Advanced Materials</i> , 2017, 29, 1701683.	11.1	458
3	Biomedicine Meets Fenton Chemistry. <i>Chemical Reviews</i> , 2021, 121, 1981-2019.	23.0	400
4	Calcium-Overload-Mediated Tumor Therapy by Calcium Peroxide Nanoparticles. <i>CheM</i> , 2019, 5, 2171-2182.	5.8	288
5	In situ sprayed NIR-responsive, analgesic black phosphorus-based gel for diabetic ulcer treatment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 28667-28677.	3.3	244
6	Modulating Hypoxia via Nanomaterials Chemistry for Efficient Treatment of Solid Tumors. <i>Accounts of Chemical Research</i> , 2018, 51, 2502-2511.	7.6	230
7	A materials-science perspective on tackling COVID-19. <i>Nature Reviews Materials</i> , 2020, 5, 847-860.	23.3	228
8	Capturing functional two-dimensional nanosheets from sandwich-structure vermiculite for cancer theranostics. <i>Nature Communications</i> , 2021, 12, 1124.	5.8	227
9	Germanene-Based Theranostic Materials for Surgical Adjuvant Treatment: Inhibiting Tumor Recurrence and Wound Infection. <i>Matter</i> , 2020, 3, 127-144.	5.0	190
10	Phosphorus Science-Oriented Design and Synthesis of Multifunctional Nanomaterials for Biomedical Applications. <i>Matter</i> , 2020, 2, 297-322.	5.0	165
11	Ultrasound mediated therapy: Recent progress and challenges in nanoscience. <i>Nano Today</i> , 2020, 35, 100949.	6.2	153
12	Ferrous-cysteine-phosphotungstate nanoagent with neutral pH fenton reaction activity for enhanced cancer chemodynamic therapy. <i>Materials Horizons</i> , 2019, 6, 369-374.	6.4	150
13	Insights from nanotechnology in COVID-19 treatment. <i>Nano Today</i> , 2021, 36, 101019.	6.2	146
14	Chemodynamic Therapy: Tumour Microenvironment-Mediated Fenton and Fenton-Like Reactions. <i>Angewandte Chemie</i> , 2019, 131, 958-968.	1.6	123
15	Biodegradable Nanoprodrugs: Delivering ROS to Cancer Cells for Molecular Dynamic Therapy. <i>Advanced Materials</i> , 2020, 32, e1904011.	11.1	115
16	Stanene-Based Nanosheets for I ² Element Delivery and Ultrasound-Mediated Combination Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7155-7164.	7.2	113
17	Pyroelectric nanoplatform for NIR-II-triggered photothermal therapy with simultaneous pyroelectric dynamic therapy. <i>Materials Horizons</i> , 2018, 5, 946-952.	6.4	108
18	Pnictogens in medicinal chemistry: evolution from erstwhile drugs to emerging layered photonic nanomedicine. <i>Chemical Society Reviews</i> , 2021, 50, 2260-2279.	18.7	106

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19	Scintillator-Based Nanohybrids with Sacrificial Electron Prodrug for Enhanced X-ray-Induced Photodynamic Therapy. <i>Nano Letters</i> , 2018, 18, 5768-5774.	4.5	104
20	Stimuli-responsive prodrug-based cancer nanomedicine. <i>EBioMedicine</i> , 2020, 56, 102821.	2.7	103
21	Oxygen Vacancy Enables Markedly Enhanced Magnetic Resonance Imaging-Guided Photothermal Therapy of a Gd ³⁺ -Doped Contrast Agent. <i>ACS Nano</i> , 2017, 11, 4256-4264.	7.3	94
22	Arsenene Nanodots with Selective Killing Effects and their Low-Dose Combination with Elementene for Cancer Therapy. <i>Advanced Materials</i> , 2021, 33, e2102054.	11.1	93
23	Oral Insulin Delivery Platforms: Strategies To Address the Biological Barriers. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19787-19795.	7.2	88
24	Constructing Electron Levers in Perovskite Nanocrystals to Regulate the Local Electron Density for Intensive Chemodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 8905-8912.	7.2	83
25	SnWO ₄ -based nanohybrids with full energy transfer for largely enhanced photodynamic therapy and radiotherapy. <i>Biomaterials</i> , 2018, 155, 135-144.	5.7	77
26	Emerging mRNA technologies: delivery strategies and biomedical applications. <i>Chemical Society Reviews</i> , 2022, 51, 3828-3845.	18.7	76
27	Emerging vaccine nanotechnology: From defense against infection to sniping cancer. <i>Acta Pharmaceutica Sinica B</i> , 2022, 12, 2206-2223.	5.7	52
28	A multifunctional nanotheranostic for the intelligent MRI diagnosis and synergistic treatment of hypoxic tumor. <i>Biomaterials</i> , 2018, 175, 123-133.	5.7	49
29	Transition Metal Dichalcogenides for Sensing and Oncotherapy: Status, Challenges, and Perspective. <i>Advanced Functional Materials</i> , 2021, 31, 2004408.	7.8	49
30	Cryogenic Exfoliation of 2D Stanene Nanosheets for Cancer Theranostics. <i>Nano-Micro Letters</i> , 2021, 13, 90.	14.4	43
31	Glucose-responsive oral insulin delivery platform for one treatment a day in diabetes. <i>Matter</i> , 2021, 4, 3269-3285.	5.0	36
32	In Situ Catalytic Reaction for Solving the Aggregation of Hydrophobic Photosensitizers in Tumor. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 5624-5632.	4.0	35
33	Nano-bio interfaces effect of two-dimensional nanomaterials and their applications in cancer immunotherapy. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 3447-3464.	5.7	35
34	Intercalation-Driven Formation of siRNA Nanogels for Cancer Therapy. <i>Nano Letters</i> , 2021, 21, 9706-9714.	4.5	33
35	Structure-oriented catalytic radiosensitization for cancer radiotherapy. <i>Nano Today</i> , 2020, 35, 100988.	6.2	32
36	Chemical Factory-Guaranteed Enhanced Chemodynamic Therapy for Orthotopic Liver Cancer. <i>Advanced Science</i> , 2022, 9, .	5.6	30

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37	Sensitive, Rapid, Low-Cost, and Multiplexed COVID-19 Monitoring by the Wireless Telemedicine Platform. <i>Matter</i> , 2020, 3, 1818-1820.	5.0	27
38	In Vivo MR Imaging of Glioma Recruitment of Adoptive T _H 1 Cells Labeled with NaGdF ₄ @TAT Nanoprobes. <i>Small</i> , 2018, 14, 1702951.	5.2	26
39	Cathodic protected Mn ²⁺ by Na _x WO ₃ nanorods for stable magnetic resonance imaging-guided tumor photothermal therapy. <i>Biomaterials</i> , 2020, 234, 119762.	5.7	21
40	One-step and facile synthesis of peptide-like poly(melphalan) nanodrug for cancer therapy. <i>Nano Today</i> , 2021, 37, 101098.	6.2	19
41	Photoelectron Transfer at ZnTPyP Self-Assembly/TiO ₂ Interfaces for Enhanced Two-Photon Photodynamic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 1492-1498.	4.0	18
42	Auger Electrons Constructed Active Sites on Nanocatalysts for Catalytic Internal Radiotherapy. <i>Advanced Science</i> , 2020, 7, 1903585.	5.6	16
43	Constructing Electron Levers in Perovskite Nanocrystals to Regulate the Local Electron Density for Intensive Chemodynamic Therapy. <i>Angewandte Chemie</i> , 2021, 133, 8987-8994.	1.6	15
44	Arsenene Nanodots with Selective Killing Effects and their Low-Dose Combination with ¹²⁵ I-Elementine for Cancer Therapy (<i>Adv. Mater.</i> 37/2021). <i>Advanced Materials</i> , 2021, 33, 2170292.	11.1	15
45	An Adaptable Nanoplatform for Integrating Anatomic and Functional Magnetic Resonance Imaging under a 3.0 T Magnetic Field. <i>Advanced Functional Materials</i> , 2019, 29, 1803832.	7.8	14
46	Regulating water states by vacancies for cancer therapy. <i>Nano Today</i> , 2021, 37, 101099.	6.2	14
47	Advanced Devices for Tumor Diagnosis and Therapy. <i>Small</i> , 2021, 17, 2100003.	5.2	14
48	Stanene-Based Nanosheets for ¹²⁵ I-Elementine Delivery and Ultrasound-Mediated Combination Cancer Therapy. <i>Angewandte Chemie</i> , 2021, 133, 7231-7240.	1.6	12
49	Tumor Immune Microenvironments (TIMEs): Responsive Nanoplatforms for Antitumor Immunotherapy. <i>Frontiers in Chemistry</i> , 2020, 8, 804.	1.8	6
50	Plattformen für die orale Insulinabgabe: Strategien zur Beseitigung der biologischen Barrieren. <i>Angewandte Chemie</i> , 2020, 132, 19955-19964.	1.6	5
51	Titelbild: Plattformen für die orale Insulinabgabe: Strategien zur Beseitigung der biologischen Barrieren (<i>Angew. Chem.</i> 45/2020). <i>Angewandte Chemie</i> , 2020, 132, 20424-20424.	1.6	1
52	Titelbild: Stanene-Based Nanosheets for ¹²⁵ I-Elementine Delivery and Ultrasound-Mediated Combination Cancer Therapy (<i>Angew. Chem.</i> 13/2021). <i>Angewandte Chemie</i> , 2021, 133, 6905-6905.	1.6	0