Tongkai Chen

List of Publications by Year
in descending order

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43 papers	1,825 citations	201674 27 h-index	276875 41 g-index
43 all docs	43 docs citations	43 times ranked	1851 citing authors

#	Article	IF	Citations
1	Cell Membrane Coating Technology: A Promising Strategy for Biomedical Applications. Nano-Micro Letters, 2019, 11, 100.	27.0	180
2	Application of FÃ¶rster Resonance Energy Transfer (FRET) technique to elucidate intracellular and In Vivo biofate of nanomedicines. Advanced Drug Delivery Reviews, 2019, 143, 177-205.	13.7	118
3	Tailored Hydrogel Delivering Niobium Carbide Boosts ROSâ€Scavenging and Antimicrobial Activities for Diabetic Wound Healing. Small, 2022, 18, .	10.0	75
4	Small-Sized mPEGâ€“PLGA Nanoparticles of Schisantherin A with Sustained Release for Enhanced Brain Uptake and Anti-Parkinsonian Activity. ACS Applied Materials & Interfaces, 2017, 9, 9516-9527.	8.0	71
5	Traditional herbal medicine and nanomedicine: Converging disciplines to improve therapeutic efficacy and human health. Advanced Drug Delivery Reviews, 2021, 178, 113964.	13.7	71
6	Thermosensitive Hydrogel Incorporating Prussian Blue Nanoparticles Promotes Diabetic Wound Healing via ROS Scavenging and Mitochondrial Function Restoration. ACS Applied Materials & Interfaces, 2022, 14, 14059-14071.	8.0	69
7	Nanoparticles Mediating the Sustained Puerarin Release Facilitate Improved Brain Delivery to Treat Parkinsonâ€™s Disease. ACS Applied Materials & Interfaces, 2019, 11, 45276-45289.	8.0	68
8	Brain-targeted delivery shuttled by black phosphorus nanostructure to treat Parkinson's disease. Biomaterials, 2020, 260, 120339.	11.4	66
9	Fascinating MXene nanomaterials: emerging opportunities in the biomedical field. Biomaterials Science, 2021, 9, 5437-5471.	5.4	58
10	Tablets of multi-unit pellet system for controlled drug delivery. Journal of Controlled Release, 2017, 262, 222-231.	9.9	56
11	Zebrafish: A promising in vivo model for assessing the delivery of natural products, fluorescence dyes and drugs across the blood-brain barrier. Pharmacological Research, 2017, 125, 246-257.	7.1	54
12	Polymeric Nanoparticles-Based Brain Delivery with Improved Therapeutic Efficacy of Ginkgolide B in Parkinsonâ€™s Disease. International Journal of Nanomedicine, 2020, Volume 15, 10453-10467.	6.7	54
13	Formulation of 20(S)-protopanaxadiol nanocrystals to improve oral bioavailability and brain delivery. International Journal of Pharmaceutics, 2016, 497, 239-247.	5.2	52
14	Quality standard of traditional Chinese medicines: comparison between European Pharmacopoeia and Chinese Pharmacopoeia and recent advances. Chinese Medicine, 2020, 15, 76.	4.0	51
15	Oral Delivery of a Nanocrystal Formulation of Schisantherin A with Improved Bioavailability and Brain Delivery for the Treatment of Parkinsonâ€™s Disease. Molecular Pharmaceutics, 2016, 13, 3864-3875.	4.6	47
16	Oral Delivery of Puerarin Nanocrystals To Improve Brain Accumulation and Anti-Parkinsonian Efficacy. Molecular Pharmaceutics, 2019, 16, 1444-1455.	4.6	47
17	Targeted graphene oxide for drug delivery as a therapeutic nanoplatform against Parkinson's disease. Biomaterials Science, 2021, 9, 1705-1715.	5.4	46
18	Zebrafish: A Promising Model for Evaluating the Toxicity of Carbon Dot-Based Nanomaterials. ACS Applied Materials & Interfaces, 2020, 12, 49012-49020.	8.0	44

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19	Enhancement of oral bioavailability and anti-Parkinsonian efficacy of resveratrol through a nanocrystal formulation. Asian Journal of Pharmaceutical Sciences, 2020, 15, 518-528.	9.1	43
20	Curcumin Nanoparticles Inhibiting Ferroptosis for the Enhanced Treatment of Intracerebral Hemorrhage. International Journal of Nanomedicine, 2021, Volume 16, 8049-8065.	6.7	41
21	Nanoparticles improved resveratrol brain delivery and its therapeutic efficacy against intracerebral hemorrhage. Nanoscale, 2021, 13, 3827-3840.	5.6	40
22	Pluronic P85/F68 Micelles of Baicalein Could Interfere with Mitochondria to Overcome MRP2-Mediated Efflux and Offer Improved Anti-Parkinsonian Activity. Molecular Pharmaceutics, 2017, 14, 3331-3342.	4.6	38
23	Enhanced Tumor Targeting and Radiotherapy by Quercetin Loaded Biomimetic Nanoparticles. Frontiers in Chemistry, 2020, 8, 225.	3.6	38
24	Zebrafish as a visual and dynamic model to study the transport of nanosized drug delivery systems across the biological barriers. Colloids and Surfaces B: Biointerfaces, 2017, 156, 227-235.	5.0	37
25	Highly stabilized nanocrystals delivering Ginkgolide B in protecting against the Parkinsonâ€™s disease. International Journal of Pharmaceutics, 2020, 577, 119053.	5.2	36
26	Schisantherin A Attenuates Neuroinflammation in Activated Microglia: Role of Nrf2 Activation Through ERK Phosphorylation. Cellular Physiology and Biochemistry, 2018, 47, 1769-1784.	1.6	35
27	Intranasal delivery of paeoniflorin nanocrystals for brain targeting. Asian Journal of Pharmaceutical Sciences, 2020, 15, 326-335.	9.1	35
28	Biomimetic manganese-based theranostic nanoplatform for cancer multimodal imaging and twofold immunotherapy. Bioactive Materials, 2023, 19, 237-250.	15.6	33
29	Near-Infrared Radiation-Assisted Drug Delivery Nanoplatform to Realize Bloodâ€“Brain Barrier Crossing and Protection for Parkinsonian Therapy. ACS Applied Materials & Interfaces, 2021, 13, 37746-37760.	8.0	28
30	Injectable Hydrogel for NIR-II Photo-Thermal Tumor Therapy and Dihydroartemisinin-Mediated Chemodynamic Therapy. Frontiers in Chemistry, 2020, 8, 251.	3.6	24
31	BHDPC Is a Novel Neuroprotectant That Provides Anti-neuroinflammatory and Neuroprotective Effects by Inactivating NF-Î²B and Activating PKA/CREB. Frontiers in Pharmacology, 2018, 9, 614.	3.5	19
32	Black phosphorus as a versatile nanoplatform: From unique properties to biomedical applications. Journal of Innovative Optical Health Sciences, 2020, 13, .	1.0	18
33	Anti-Parkinsonian Therapy: Strategies for Crossing the Bloodâ€“Brain Barrier and Nano-Biological Effects of Nanomaterials. Nano-Micro Letters, 2022, 14, 105.	27.0	18
34	NIR-II-Activated Yolkâ€“Shell Nanostructures as an Intelligent Platform for Parkinsonian Therapy. ACS Applied Bio Materials, 2020, 3, 6876-6887.	4.6	17
35	Exosomes as Smart Nanoplatforms for Diagnosis and Therapy of Cancer. Frontiers in Oncology, 2021, 11, 743189.	2.8	16
36	Multifunctional Magnetic Nanoagents for Bioimaging and Therapy. ACS Applied Bio Materials, 2021, 4, 1066-1076.	4.6	13

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37	Synergistic Photothermal and Chemical Therapy by Smart Dualâ€Functional Graphdiyne Nanosheets for Treatment of Parkinson's Disease. Advanced Therapeutics, 2021, 4, 2100082.	3.2	13
38	Rational Design of Thermosensitive Hydrogel to Deliver Nanocrystals with Intranasal Administration for Brain Targeting in Parkinsonâ€™s Disease. Research, 2021, 2021, 9812523.	5.7	12
39	A ratiometric fluorescent probe for sensitive determination of the important glycopeptide antibiotic vancomycin. Analytical and Bioanalytical Chemistry, 2019, 411, 8103-8111.	3.7	11
40	Cucurbituril-Oriented Nanoplatforms in Biomedical Applications. ACS Applied Bio Materials, 2020, 3, 8211-8240.	4.6	11
41	The mitochondrial biogenesis signaling pathway is a potential therapeutic target for myasthenia gravis via energy metabolism (Review). Experimental and Therapeutic Medicine, 2021, 22, 702.	1.8	8
42	A novel role of HuR in â€Epigallocatechinâ€3â€gallate (<scp>EGCG</scp>) induces tumour cells apoptosis. Journal of Cellular and Molecular Medicine, 2019, 23, 3767-3771.	3.6	7
43	A Review of Light Sources and Enhanced Targeting for Photodynamic Therapy. Current Medicinal Chemistry, 2021, 28, 6437-6457.	2.4	7