Rong Cai

List of Publications by Year
in descending order

23 papers	1,995 citations	471509 17 h-index	642732 23 g-index
23 all docs	23 docs citations	23 times ranked	2571 citing authors

#	Article	IF	Citations
1	Stem cell Janus patch for periodontal regeneration. Nano Today, 2022, 42, 101336.	11.9	15
2	Nanomaterialsâ€Mediated Structural and Physiological Modulation of Blood Brain Barrier for Therapeutic Purposes. Advanced Materials Interfaces, 2022, 9, .	3.7	4
3	Synthesis of carbon quantum dots for application of alleviating amyloid-Î² mediated neurotoxicity. Colloids and Surfaces B: Biointerfaces, 2022, 212, 112373.	5.0	20
4	Tailoring bismuth-based nanoparticles for enhanced radiosensitivity in cancer therapy. Nanoscale, 2022, 14, 8245-8254.	5.6	10
5	Chemical and Biophysical Signatures of the Protein Corona in Nanomedicine. Journal of the American Chemical Society, 2022, 144, 9184-9205.	13.7	98
6	Dynamic intracellular exchange of nanomaterialsâ€™ protein corona perturbs proteostasis and remodels cell metabolism. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	56
7	Molybdenum derived from nanomaterials incorporates into molybdenum enzymes and affects their activities in vivo. Nature Nanotechnology, 2021, 16, 708-716.	31.5	153
8	Near-infrared photoactivated nanomedicines for photothermal synergistic cancer therapy. Nano Today, 2021, 37, 101073.	11.9	182
9	Second near-infrared photoactivatable hydrogen selenide nanogenerators for metastasis-inhibited cancer therapy. Nano Today, 2021, 40, 101240.	11.9	18
10	Corona of Thorns: The Surface Chemistry-Mediated Protein Corona Perturbs the Recognition and Immune Response of Macrophages. ACS Applied Materials & Interfaces, 2020, 12, 1997-2008.	8.0	100
11	Amyloidosis inhibition, a new frontier of the protein corona. Nano Today, 2020, 35, 100937.	11.9	32
12	Immunological Responses Induced by Blood Protein Coronas on Two-Dimensional MoS₂ Nanosheets. ACS Nano, 2020, 14, 5529-5542.	14.6	82
13	Understanding the Chemical Nature of Nanoparticleâ€“Protein Interactions. Bioconjugate Chemistry, 2019, 30, 1923-1937.	3.6	109
14	Precision Nanomedicine Development Based on Specific Opsonization of Human Cancer Patient-Personalized Protein Coronas. Nano Letters, 2019, 19, 4692-4701.	9.1	87
15	Long-term pulmonary exposure to multi-walled carbon nanotubes promotes breast cancer metastatic cascades. Nature Nanotechnology, 2019, 14, 719-727.	31.5	131
16	The Nanoâ€“Bio Interactions of Nanomedicines: Understanding the Biochemical Driving Forces and Redox Reactions. Accounts of Chemical Research, 2019, 52, 1507-1518.	15.6	211
17	The Crown and the Scepter: Roles of the Protein Corona in Nanomedicine. Advanced Materials, 2019, 31, e1805740.	21.0	355
18	Gd@C82(OH)22 harnesses inflammatory regeneration for osteogenesis of mesenchymal stem cells through JNK/STAT3 signaling pathway. Journal of Materials Chemistry B, 2018, 6, 5802-5811.	5.8	12

#	Article	IF	Citations
19	Protein corona in vivo: dynamic complement proteins-mediated opsonization and immune modulation. Science Bulletin, 2017, 62, 976-977.	9.0	18
20	Designing Liposomes To Suppress Extracellular Matrix Expression To Enhance Drug Penetration and Pancreatic Tumor Therapy. ACS Nano, 2017, 11, 8668-8678.	14.6	175
21	Matrices secreted during simultaneous osteogenesis and adipogenesis of mesenchymal stem cells affect stem cells differentiation. Acta Biomaterialia, 2016, 35, 185-193.	8.3	28
22	Influence of surfaces modified with biomimetic extracellular matrices on adhesion and proliferation of mesenchymal stem cells and osteosarcoma cells. Colloids and Surfaces B: Biointerfaces, 2015, 126, 381-386.	5.0	25
23	Influence of stepwise chondrogenesis-mimicking 3D extracellular matrix on chondrogenic differentiation of mesenchymal stem cells. Biomaterials, 2015, 52, 199-207.	11.4	74