

Rong Cai

List of Publications by Year in descending order

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Version: 2024-02-01

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	The Crown and the Scepter: Roles of the Protein Corona in Nanomedicine. <i>Advanced Materials</i> , 2019, 31, e1805740.	21.0	355
2	The Nano-Bio Interactions of Nanomedicines: Understanding the Biochemical Driving Forces and Redox Reactions. <i>Accounts of Chemical Research</i> , 2019, 52, 1507-1518.	15.6	211
3	Near-infrared photoactivated nanomedicines for photothermal synergistic cancer therapy. <i>Nano Today</i> , 2021, 37, 101073.	11.9	182
4	Designing Liposomes To Suppress Extracellular Matrix Expression To Enhance Drug Penetration and Pancreatic Tumor Therapy. <i>ACS Nano</i> , 2017, 11, 8668-8678.	14.6	175
5	Molybdenum derived from nanomaterials incorporates into molybdenum enzymes and affects their activities in vivo. <i>Nature Nanotechnology</i> , 2021, 16, 708-716.	31.5	153
6	Long-term pulmonary exposure to multi-walled carbon nanotubes promotes breast cancer metastatic cascades. <i>Nature Nanotechnology</i> , 2019, 14, 719-727.	31.5	131
7	Understanding the Chemical Nature of Nanoparticle-Protein Interactions. <i>Bioconjugate Chemistry</i> , 2019, 30, 1923-1937.	3.6	109
8	Corona of Thorns: The Surface Chemistry-Mediated Protein Corona Perturbs the Recognition and Immune Response of Macrophages. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 1997-2008.	8.0	100
9	Chemical and Biophysical Signatures of the Protein Corona in Nanomedicine. <i>Journal of the American Chemical Society</i> , 2022, 144, 9184-9205.	13.7	98
10	Precision Nanomedicine Development Based on Specific Opsonization of Human Cancer Patient-Personalized Protein Coronas. <i>Nano Letters</i> , 2019, 19, 4692-4701.	9.1	87
11	Immunological Responses Induced by Blood Protein Coronas on Two-Dimensional MoS ₂ Nanosheets. <i>ACS Nano</i> , 2020, 14, 5529-5542.	14.6	82
12	Influence of stepwise chondrogenesis-mimicking 3D extracellular matrix on chondrogenic differentiation of mesenchymal stem cells. <i>Biomaterials</i> , 2015, 52, 199-207.	11.4	74
13	Dynamic intracellular exchange of nanomaterials' protein corona perturbs proteostasis and remodels cell metabolism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	56
14	Amyloidosis inhibition, a new frontier of the protein corona. <i>Nano Today</i> , 2020, 35, 100937.	11.9	32
15	Matrices secreted during simultaneous osteogenesis and adipogenesis of mesenchymal stem cells affect stem cells differentiation. <i>Acta Biomaterialia</i> , 2016, 35, 185-193.	8.3	28
16	Influence of surfaces modified with biomimetic extracellular matrices on adhesion and proliferation of mesenchymal stem cells and osteosarcoma cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 126, 381-386.	5.0	25
17	Synthesis of carbon quantum dots for application of alleviating amyloid- β mediated neurotoxicity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 212, 112373.	5.0	20
18	Protein corona in vivo: dynamic complement proteins-mediated opsonization and immune modulation. <i>Science Bulletin</i> , 2017, 62, 976-977.	9.0	18

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19	Second near-infrared photoactivatable hydrogen selenide nanogenerators for metastasis-inhibited cancer therapy. <i>Nano Today</i> , 2021, 40, 101240.	11.9	18
20	Stem cell Janus patch for periodontal regeneration. <i>Nano Today</i> , 2022, 42, 101336.	11.9	15
21	Gd@C82(OH)22 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.	5.8	12
22	Tailoring bismuth-based nanoparticles for enhanced radiosensitivity in cancer therapy. <i>Nanoscale</i> , 2022, 14, 8245-8254.	5.6	10
23	Nanomaterials-Mediated Structural and Physiological Modulation of Blood Brain Barrier for Therapeutic Purposes. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	4