

Rong Zhang

List of Publications by Year in descending order

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39
papers

835
citations

471509

17
h-index

501196

28
g-index

40
all docs

40
docs citations

40
times ranked

1479
citing authors

#	ARTICLE	IF	CITATIONS
1	A thermoresponsive and chemically defined hydrogel for long-term culture of human embryonic stem cells. <i>Nature Communications</i> , 2013, 4, 1335.	12.8	112
2	Biodegradable pH-responsive hydrogels for controlled dual-drug release. <i>Journal of Materials Chemistry B</i> , 2018, 6, 510-517.	5.8	86
3	Demethylation of Wheat Straw Alkali Lignin for Application in Phenol Formaldehyde Adhesives. <i>Polymers</i> , 2016, 8, 209.	4.5	64
4	Microarrays of over 2000 hydrogels – Identification of substrates for cellular trapping and thermally triggered release. <i>Biomaterials</i> , 2009, 30, 6193-6201.	11.4	59
5	Water-Solubilizing Hydrophobic ZnAgInSe/ZnS QDs with Tumor-Targeted cRGD-Sulfobetaine-PiMA-Histamine Ligands via a Self-Assembly Strategy for Bioimaging. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 11405-11414.	8.0	43
6	Automatic Calibration of the SHETRAN Hydrological Modelling System Using MSCE. <i>Water Resources Management</i> , 2013, 27, 4053-4068.	3.9	31
7	Long term mesenchymal stem cell culture on a defined synthetic substrate with enzyme free passaging. <i>Biomaterials</i> , 2014, 35, 5998-6005.	11.4	28
8	Plasma proteome profiling of high-altitude polycythemia using TMT-based quantitative proteomics approach. <i>Journal of Proteomics</i> , 2019, 194, 60-69.	2.4	27
9	Alterations of Human Plasma Proteome Profile on Adaptation to High-Altitude Hypobaric Hypoxia. <i>Journal of Proteome Research</i> , 2019, 18, 2021-2031.	3.7	26
10	Novel Biopolymers to Enhance Endothelialisation of Intra-vascular Devices. <i>Advanced Healthcare Materials</i> , 2012, 1, 646-656.	7.6	25
11	Influences of ABO blood group, age and gender on plasma coagulation factor VIII, fibrinogen, von Willebrand factor and ADAMTS13 levels in a Chinese population. <i>PeerJ</i> , 2017, 5, e3156.	2.0	25
12	Carbon Dots-Clustered DOX Nanocomposites Fabricated by a Co-Self-Assembly Strategy for Tumor-Targeted Bioimaging and Therapy. <i>Particle and Particle Systems Characterization</i> , 2018, 35, 1800190.	2.3	24
13	TMT-Based Quantitative Proteomic Analysis Reveals Proteomic Changes Involved in Longevity. <i>Proteomics - Clinical Applications</i> , 2019, 13, e1800024.	1.6	23
14	A Synthetic Polymer Scaffold Reveals the Self-Maintenance Strategies of Rat Glioma Stem Cells by Organization of the Advantageous Niche. <i>Stem Cells</i> , 2016, 34, 1151-1162.	3.2	20
15	Synthesis and characterization of biodegradable poly(ether-ester) urethane acrylates for controlled drug release. <i>Materials Science and Engineering C</i> , 2017, 74, 270-278.	7.3	20
16	GDF11 induces differentiation and apoptosis and inhibits migration of C17.2 neural stem cells via modulating MAPK signaling pathway. <i>PeerJ</i> , 2018, 6, e5524.	2.0	19
17	Organic-to-aqueous phase transfer of Zn-Cu-In-Se/ZnS quantum dots with multifunctional multidentate polymer ligands for biomedical optical imaging. <i>New Journal of Chemistry</i> , 2017, 41, 5387-5394.	2.8	18
18	Correlation between RBC changes and coagulation parameters in high altitude population. <i>Hematology</i> , 2019, 24, 325-330.	1.5	18

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19	Multi-objective calibration of the physically based, spatially distributed SHETRAN hydrological model. <i>Journal of Hydroinformatics</i> , 2016, 18, 428-445.	2.4	17
20	The quality changes in fresh frozen plasma of the blood donors at high altitude. <i>PLoS ONE</i> , 2017, 12, e0176390.	2.5	15
21	Downscaling climate change of water availability, sediment yield and extreme events: Application to a Mediterranean climate basin. <i>International Journal of Climatology</i> , 2019, 39, 2947-2963.	3.5	14
22	Water-soluble Zn ²⁺ Ag ⁺ In ³⁺ Se quantum dots with bright and widely tunable emission for biomedical optical imaging. <i>RSC Advances</i> , 2015, 5, 88583-88589.	3.6	13
23	Season ² -based rainfall ² -runoff modelling using the probability ² -distributed model (PDM) for large basins in southeastern Brazil. <i>Hydrological Processes</i> , 2018, 32, 2217-2230.	2.6	13
24	Acrylate-based materials for heart valve scaffold engineering. <i>Biomaterials Science</i> , 2018, 6, 154-167.	5.4	12
25	Supramolecular assembly induced chiral interface for electrochemical recognition of tryptophan enantiomers. <i>Analytical Methods</i> , 2021, 13, 2011-2020.	2.7	12
26	A high-throughput polymer microarray approach for identifying defined substrates for mesenchymal stem cells. <i>Biomaterials Science</i> , 2014, 2, 1683-1692.	5.4	11
27	Quaternary alloy quantum dots with widely tunable emission ² a versatile system to fabricate dual-emission nanocomposites for bio-imaging. <i>RSC Advances</i> , 2016, 6, 53760-53767.	3.6	8
28	Thermoresponsive Nanospheres with Entrapped Fluorescent Conjugated Polymers for Cellular Labeling. <i>ACS Applied Bio Materials</i> , 2018, 1, 888-893.	4.6	8
29	Plasma proteomic and autoantibody profiles reveal the proteomic characteristics involved in longevity families in Bama, China. <i>Clinical Proteomics</i> , 2019, 16, 22.	2.1	8
30	Effects of long-term high-altitude exposure on fibrinolytic system. <i>Hematology</i> , 2021, 26, 503-509.	1.5	7
31	In vitro evaluation of the biological activities of IgG in seven Chinese intravenous immunoglobulin preparations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 151, 317-323.	2.8	5
32	Synthesis of deep red emitting Cu ²⁺ In ³⁺ Zn ²⁺ Se/ZnSe quantum dots for dual-modal fluorescence and photoacoustic imaging. <i>Nanotechnology</i> , 2021, 32, 085101.	2.6	5
33	Current status of clinical transfusion practice in Sichuan, China: A cross-sectional survey. <i>Transfusion and Apheresis Science</i> , 2018, 57, 65-70.	1.0	4
34	Downscaling climate change of mean climatology and extremes of precipitation and temperature: Application to a Mediterranean climate basin. <i>International Journal of Climatology</i> , 2019, 39, 4985-5005.	3.5	4
35	Tuning the emission properties of a fluorescent polymer using a polymer microarray approach ² identification of an optothermo responsive polymer. <i>Chemical Communications</i> , 2016, 52, 10521-10524.	4.1	2
36	Analysis of sialic acid levels in Chinese intravenous immunoglobulins by high ² -performance liquid chromatography with fluorescence detection. <i>Biomedical Chromatography</i> , 2019, 33, e4452.	1.7	2

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37	Effect of Different A β Aggregates as Antigen on the Measure of Naturally Occurring Autoantibodies against Amyloid- β 40/42 in IVIG. <i>Current Alzheimer Research</i> , 2020, 16, 1290-1299.	1.4	1
38	Novel copolymers drive differentiation of human adipose derived stem cells towards chondrocytes and osteoblasts identified by high-throughput approach. <i>Biomedical Physics and Engineering Express</i> , 2020, 6, 025005.	1.2	1
39	Content of anti- β -amyloid42 oligomers antibodies in multiple batches from different immunoglobulin preparations. <i>Biologicals</i> , 2020, 65, 25-32.	1.4	0