

Pengfei Rong

List of Publications by Year in descending order

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75
papers

2,515
citations

201385

27
h-index

214527

47
g-index

85
all docs

85
docs citations

85
times ranked

4428
citing authors

#	ARTICLE	IF	CITATIONS
1	Photosensitizer Loaded Nano-Graphene for Multimodality Imaging Guided Tumor Photodynamic Therapy. <i>Theranostics</i> , 2014, 4, 229-239.	4.6	198
2	Early prediction of disease progression in COVID-19 pneumonia patients with chest CT and clinical characteristics. <i>Nature Communications</i> , 2020, 11, 4968.	5.8	183
3	Machine learning-based quantitative texture analysis of CT images of small renal masses: Differentiation of angiomyolipoma without visible fat from renal cell carcinoma. <i>European Radiology</i> , 2018, 28, 1625-1633.	2.3	180
4	Near-Infrared Semiconducting Polymer Brush and pH/GSH-Responsive Polyoxometalate Cluster Hybrid Platform for Enhanced Tumor-Specific Phototheranostics. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14101-14105.	7.2	138
5	Dual-branch combination network (DCN): Towards accurate diagnosis and lesion segmentation of COVID-19 using CT images. <i>Medical Image Analysis</i> , 2021, 67, 101836.	7.0	129
6	Precision Cancer Theranostic Platform by In Situ Polymerization in Perylene Diimide-Hybridized Hollow Mesoporous Organosilica Nanoparticles. <i>Journal of the American Chemical Society</i> , 2019, 141, 14687-14698.	6.6	105
7	Stimuli-Responsive Nanotheranostics for Real-Time Monitoring Drug Release by Photoacoustic Imaging. <i>Theranostics</i> , 2019, 9, 526-536.	4.6	98
8	Semimetal nanomaterials of antimony as highly efficient agent for photoacoustic imaging and photothermal therapy. <i>Biomaterials</i> , 2015, 45, 18-26.	5.7	97
9	Protein-based photothermal theranostics for imaging-guided cancer therapy. <i>Nanoscale</i> , 2015, 7, 16330-16336.	2.8	80
10	Resveratrol inhibits Hexokinases II mediated glycolysis in non-small cell lung cancer via targeting Akt signaling pathway. <i>Experimental Cell Research</i> , 2016, 349, 320-327.	1.2	76
11	Machine learning-based radiomics strategy for prediction of cell proliferation in non-small cell lung cancer. <i>European Journal of Radiology</i> , 2019, 118, 32-37.	1.2	65
12	Plasmonic ELISA based on the controlled growth of silver nanoparticles. <i>Nanoscale</i> , 2016, 8, 17271-17277.	2.8	58
13	Preoperative CT for Characterization of Aggressive Macrotrabecular-Massive Subtype and Vessels That Encapsulate Tumor Clusters Pattern in Hepatocellular Carcinoma. <i>Radiology</i> , 2021, 300, 219-229.	3.6	53
14	“Trojan Horse”-Salmonella Enabling Tumor Homing of Silver Nanoparticles via Neutrophil Infiltration for Synergistic Tumor Therapy and Enhanced Biosafety. <i>Nano Letters</i> , 2021, 21, 414-423.	4.5	50
15	Mouse Umbilical Cord Mesenchymal Stem Cell Paracrine Alleviates Renal Fibrosis in Diabetic Nephropathy by Reducing Myofibroblast Transdifferentiation and Cell Proliferation and Upregulating MMPs in Mesangial Cells. <i>Journal of Diabetes Research</i> , 2020, 2020, 1-14.	1.0	48
16	Alkyne- and Nitrile-Anchored Gold Nanoparticles for Multiplex SERS Imaging of Biomarkers in Cancer Cells and Tissues. <i>Nanotheranostics</i> , 2019, 3, 113-119.	2.7	45
17	A Wash-Free Homogeneous Colorimetric Immunoassay Method. <i>Theranostics</i> , 2016, 6, 54-64.	4.6	44
18	Nanozyme-assisted sensitive profiling of exosomal proteins for rapid cancer diagnosis. <i>Theranostics</i> , 2020, 10, 9303-9314.	4.6	44

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19	The role of ubiquitination and deubiquitination in tumor invasion and metastasis. <i>International Journal of Biological Sciences</i> , 2022, 18, 2292-2303.	2.6	43
20	Tertiary Lymphoid Structures in Cancer: The Double-Edged Sword Role in Antitumor Immunity and Potential Therapeutic Induction Strategies. <i>Frontiers in Immunology</i> , 2021, 12, 689270.	2.2	40
21	Dual-Modality Noninvasive Mapping of Sentinel Lymph Node by Photoacoustic and Near-Infrared Fluorescent Imaging Using Dye-Loaded Mesoporous Silica Nanoparticles. <i>Molecular Pharmaceutics</i> , 2015, 12, 3119-3128.	2.3	37
22	The cGAS/STING Pathway: A Novel Target for Cancer Therapy. <i>Frontiers in Immunology</i> , 2021, 12, 795401.	2.2	37
23	Human mesenchymal stem cell-derived exosomes are important in enhancing porcine islet resistance to hypoxia. <i>Xenotransplantation</i> , 2018, 25, e12405.	1.6	36
24	IL-10 producing type 2 innate lymphoid cells prolong islet allograft survival. <i>EMBO Molecular Medicine</i> , 2020, 12, e12305.	3.3	36
25	Paracrine effect of mesenchymal stem cell as a novel therapeutic strategy for diabetic nephropathy. <i>Life Sciences</i> , 2018, 215, 113-118.	2.0	35
26	Morphological Evolution and Magnetic Property of Rare Earth-Doped Hematite Nanoparticles: Promising Contrast Agents for T1-Weighted Magnetic Resonance Imaging. <i>Advanced Functional Materials</i> , 2017, 27, 1606821.	7.8	34
27	Hypoxia potentiates LPS-induced inflammatory response and increases cell death by promoting NLRP3 inflammasome activation in pancreatic β cells. <i>Biochemical and Biophysical Research Communications</i> , 2018, 495, 2512-2518.	1.0	30
28	A universal strategy for the one-pot synthesis of SERS tags. <i>Nanoscale</i> , 2018, 10, 8292-8297.	2.8	30
29	Near-Infrared Semiconducting Polymer Brush and pH/GSH-Responsive Polyoxometalate Cluster Hybrid Platform for Enhanced Tumor-Specific Phototheranostics. <i>Angewandte Chemie</i> , 2018, 130, 14297-14301.	1.6	29
30	Clinical Factors Associated with Progression and Prolonged Viral Shedding in COVID-19 Patients: A Multicenter Study. , 2020, 11, 1069.		28
31	Recent advances in background-free Raman scattering for bioanalysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 123, 115765.	5.8	27
32	A novel self-assembled nanoprobe for the detection of aluminum ions in real water samples and living cells. <i>Talanta</i> , 2019, 194, 38-45.	2.9	26
33	Meta-analysis of the efficacy and safety of PD-1/PD-L1 inhibitors administered alone or in combination with anti-VEGF agents in advanced hepatocellular carcinoma. <i>Gut</i> , 2020, 69, 1904-1906.	6.1	24
34	Tumor microenvironment-responsive multifunctional nanoplatform based on MnFe ₂ O ₄ -PEG for enhanced magnetic resonance imaging-guided hypoxic cancer radiotherapy. <i>Journal of Materials Chemistry B</i> , 2021, 9, 1625-1637.	2.9	23
35	Mesenchymal stem cells alleviate hypoxia-induced oxidative stress and enhance the pro-survival pathways in porcine islets. <i>Experimental Biology and Medicine</i> , 2019, 244, 781-788.	1.1	21
36	Association of Paraspinal Muscle Measurements on Chest Computed Tomography With Clinical Outcomes in Patients With Severe Coronavirus Disease 2019. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, e78-e84.	1.7	21

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37	Sarcopenia associates with increased risk of hepatocellular carcinoma among male patients with cirrhosis. <i>Clinical Nutrition</i> , 2020, 39, 3132-3139.	2.3	18
38	Fluorescence dye loaded nano-graphene for multimodal imaging guided photothermal therapy. <i>RSC Advances</i> , 2016, 6, 1894-1901.	1.7	15
39	Diagnostic performance of MRI using extracellular contrast agents versus gadoxetic acid for hepatocellular carcinoma: A systematic review and meta-analysis. <i>Liver International</i> , 2021, 41, 1117-1128.	1.9	15
40	Controllable Fabrication of Rare-Earth-Doped Gd ₂ O ₃ SO ₄ @SiO ₂ Double-Shell Hollow Spheres for Efficient Upconversion Luminescence and Magnetic Resonance Imaging. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 10463-10471.	3.2	14
41	Influence of Methods Used to Establish Sarcopenia Cutoff Values for Skeletal Muscle Measures Using Unenhanced and Contrast-Enhanced Computed Tomography Images. <i>Journal of Parenteral and Enteral Nutrition</i> , 2019, 43, 1028-1036.	1.3	13
42	Human mesenchymal stem cells-derived conditioned medium inhibits hypoxia-induced death of neonatal porcine islets by inducing autophagy. <i>Xenotransplantation</i> , 2020, 27, e12556.	1.6	13
43	Machine learning based on clinical characteristics and chest CT quantitative measurements for prediction of adverse clinical outcomes in hospitalized patients with COVID-19. <i>European Radiology</i> , 2021, 31, 7925-7935.	2.3	13
44	Molecular imaging of tumor-associated macrophages in cancer immunotherapy. <i>Therapeutic Advances in Medical Oncology</i> , 2022, 14, 175883592210761.	1.4	13
45	Report of a Fatal Pediatric Case of Hemophagocytic Lymphohistiocytosis Associated with Pandemic Influenza A (H1N1) Infection in 2009. <i>Pediatrics and Neonatology</i> , 2015, 56, 189-192.	0.3	12
46	Tumor-Specific Multipath Nucleic Acid Damages Strategy by Symbiosed Nanozyme@Enzyme with Synergistic Self-Cyclic Catalysis. <i>Small</i> , 2021, 17, e2100766.	5.2	12
47	Prognosis of posterior osteophyte after anterior cervical decompression and fusion in patients with cervical spondylotic myelopathy using three-dimensional computed tomography study. <i>European Spine Journal</i> , 2016, 25, 1861-1868.	1.0	10
48	Novel CLCN7 mutation identified in a Han Chinese family with autosomal dominant osteopetrosis-2. <i>Molecular Pain</i> , 2016, 12, 174480691665262.	1.0	9
49	FULVIC ACID COATED IRON OXIDE NANOPARTICLES FOR MAGNETIC RESONANCE IMAGING CONTRAST AGENT. <i>Functional Materials Letters</i> , 2010, 03, 197-200.	0.7	8
50	Pathological Between-Network Positive Connectivity in Early Type 2 Diabetes Patients Without Cerebral Small Vessel Diseases. <i>Frontiers in Neuroscience</i> , 2019, 13, 731.	1.4	8
51	Cancer Therapy Based on Smart Drug Delivery with Advanced Nanoparticles. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2019, 19, 720-730.	0.9	8
52	Identification of a novel collagen type IV alpha-4 (COL4A4) mutation in a Chinese family with autosomal dominant Alport syndrome using exome sequencing. <i>Indian Journal of Medical Research</i> , 2016, 144, 200.	0.4	8
53	Culturing with modified EGM2 medium enhances porcine neonatal islet-like cell clusters resistance to apoptosis in islet xenotransplantation. <i>Xenotransplantation</i> , 2018, 25, e12358.	1.6	7
54	The Role of Interleukin-1 β in Destruction of Transplanted Islets. <i>Cell Transplantation</i> , 2020, 29, 096368972093441.	1.2	7

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55	Recent Advances of Manganese-Based Hybrid Nanomaterials for Cancer Precision Medicine. <i>Frontiers in Oncology</i> , 2021, 11, 707618.	1.3	7
56	COL1A2 p.Gly1066Val variant identified in a Han Chinese family with osteogenesis imperfecta type I. <i>Molecular Genetics & Genomic Medicine</i> , 2019, 7, e619.	0.6	5
57	Chemical probes for drug-induced liver injury imaging. <i>Future Medicinal Chemistry</i> , 2020, 12, 835-852.	1.1	5
58	Concomitant functional impairment and reorganization in the linkage between the cerebellum and default mode network in patients with type 2 diabetes mellitus. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 4310-4320.	1.1	5
59	Extracellular Polysaccharide from <i>Rhizopus nigricans</i> Inhibits Hepatocellular Carcinoma via miR-494-3p/TRIM36 Axis and Cyclin E Ubiquitination. <i>Journal of Clinical and Translational Hepatology</i> , 2022, 10, 608-619.	0.7	5
60	Successfully treated unusual case of primary adrenal and spinal tuberculosis with three years follow up. <i>Pan African Medical Journal</i> , 2014, 17, 108.	0.3	4
61	Preoperative Body Composition Combined with Tumor Metabolism Analysis by PET/CT Is Associated with Disease-Free Survival in Patients with NSCLC. <i>Contrast Media and Molecular Imaging</i> , 2022, 2022, 1-10.	0.4	4
62	Radiomics and its advances in hepatocellular carcinoma. <i>Journal of Central South University (Medical Sciences)</i> , 2019, 44, 1055-1062.	0.1	3
63	Enhancing and stabilization of cord blood regulatory T-cell suppressive function by human mesenchymal stem cell (MSC)-derived exosomes. <i>Clinical and Experimental Immunology</i> , 2022, 208, 255-267.	1.1	3
64	Carboxyl of Poly(D,L-lactide-co-glycolide) Nanoparticles of Perfluorooctyl Bromide for Ultrasonic Imaging of Tumor. <i>Contrast Media and Molecular Imaging</i> , 2018, 2018, 1-10.	0.4	2
65	Benefit of Belatacept in Cord Blood-Derived Regulatory T Cell-Mediated Suppression of Alloimmune Response. <i>Cell Transplantation</i> , 2021, 30, 096368972110465.	1.2	2
66	Glucose Metabolism Reprogramming of Primary Tumor and the Liver Is Associated With Disease-Free Survival in Patients With Early NSCLC. <i>Frontiers in Oncology</i> , 2021, 11, 752036.	1.3	2
67	Radiomics in predicting tumor molecular marker P63 for non-small cell lung cancer. <i>Journal of Central South University (Medical Sciences)</i> , 2019, 44, 1055-1062.	0.1	2
68	First CT characteristic appearance of patients with coronavirus disease 2019. <i>Journal of Central South University (Medical Sciences)</i> , 2020, 45, 262-268.	0.1	2
69	Comprehensive Analysis of DNA Methylation and Transcriptome to Identify PD-1-Negative Prognostic Methylated Signature in Endometrial Carcinoma. <i>Disease Markers</i> , 2022, 2022, 1-24.	0.6	2
70	Suppressor of activator protein-1 regulated by interferon expression in prostate cancer tissues and cells. <i>Life Sciences</i> , 2019, 232, 116626.	2.0	1
71	Letter to the Editor: Hepatocellular Carcinoma Risk in Patients With Nonalcoholic Steatohepatitis Cirrhosis and Diabetes: Insufficient for Individual Management. <i>Hepatology</i> , 2020, 72, 361-362.	3.6	1
72	Comments on "Effectiveness of acupuncture vs. core stability training in balance and functional capacity of women with fibromyalgia: a randomized controlled trial". <i>Clinical Rehabilitation</i> , 2020, 34, 1415-1416.	1.0	1

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73	Effect of cervical alignment change after anterior cervical fusion on radiological adjacent segment pathology. <i>Quantitative Imaging in Medicine and Surgery</i> , 2022, 12, 2464-2473.	1.1	1
74	Protective effect of necrostatin1 on the damage of pancreas islet cells induced by TNF α . <i>Journal of Central South University (Medical Sciences)</i> , 2020, 45, 752-758.	0.1	1
75	The Surface Modification of Nanocrystals for Biological and Environmental Applications. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1220, 1021.	0.1	0