

Xiaowei Wang

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

3,066
citations

172457

29
h-index

175258

52
g-index

84
all docs

84
docs citations

84
times ranked

4439
citing authors

#	ARTICLE	IF	CITATIONS
1	Pharmacological Inhibition of Factor XIIa Attenuates Abdominal Aortic Aneurysm, Reduces Atherosclerosis, and Stabilizes Atherosclerotic Plaques. <i>Thrombosis and Haemostasis</i> , 2022, 122, 196-207.	3.4	7
2	Role, molecular mechanism and the potential target of breast cancer stem cells in breast cancer development. <i>Biomedicine and Pharmacotherapy</i> , 2022, 147, 112616.	5.6	20
3	Biofabrication of advanced in vitro 3D models to study ischaemic and doxorubicin-induced myocardial damage. <i>Biofabrication</i> , 2022, 14, 025003.	7.1	7
4	Nanobiotechnology approaches for cardiovascular diseases: site-specific targeting of drugs and nanoparticles for atherothrombosis. <i>Journal of Nanobiotechnology</i> , 2022, 20, 75.	9.1	11
5	Sarcomatoid carcinoma in the sinonasal cavity: A retrospective case series from a single institution. <i>Auris Nasus Larynx</i> , 2022, , .	1.2	0
6	Asiatic Acid Alleviates Myocardial Ischemia-Reperfusion Injury by Inhibiting the ROS-Mediated Mitochondria-Dependent Apoptosis Pathway. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-16.	4.0	27
7	Off-pump versus on-pump coronary artery bypass grafting for octogenarians: A meta-analysis involving 146,372 patients. <i>Clinical Cardiology</i> , 2022, 45, 331-341.	1.8	6
8	P2Y12 Antagonists in Cardiovascular Disease—Finding the Best Balance Between Preventing Ischemic Events and Causing Bleeding. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, .	2.4	0
9	An Ultrasound-Responsive Theranostic Cyclodextrin-Loaded Nanoparticle for Multimodal Imaging and Therapy for Atherosclerosis. <i>Small</i> , 2022, 18, .	10.0	9
10	¹⁸ F Site-Specific Labelling of a Single-Chain Antibody against Activated Platelets for the Detection of Acute Thrombosis in Positron Emission Tomography. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6886.	4.1	2
11	Clinical Characteristics and Surgical Outcomes of Sinonasal Lesions Associated With Tumor-Induced Osteomalacia. <i>Otolaryngology - Head and Neck Surgery</i> , 2021, 165, 223-231.	1.9	4
12	Considerations for the Bioengineering of Advanced Cardiac In Vitro Models of Myocardial Infarction. <i>Small</i> , 2021, 17, e2003765.	10.0	14
13	Platelets in Multiple Sclerosis: Early and Central Mediators of Inflammation and Neurodegeneration and Attractive Targets for Molecular Imaging and Site-Directed Therapy. <i>Frontiers in Immunology</i> , 2021, 12, 620963.	4.8	27
14	A DARPIn targeting activated Mac-1 is a novel diagnostic tool and potential anti-inflammatory agent in myocarditis, sepsis and myocardial infarction. <i>Basic Research in Cardiology</i> , 2021, 116, 17.	5.9	12
15	Visions by Women in Molecular Imaging Network: Antiracism and Allyship in Action. <i>Molecular Imaging and Biology</i> , 2021, 23, 301-309.	2.6	5
16	Smart Delivery of Plasminogen Activators for Efficient Thrombolysis; Recent Trends and Future Perspectives. <i>Advanced Therapeutics</i> , 2021, 4, 2100047.	3.2	7
17	Resveratrol activates PI3K/AKT to reduce myocardial cell apoptosis and mitochondrial oxidative damage caused by myocardial ischemia/reperfusion injury. <i>Acta Histochemica</i> , 2021, 123, 151739.	1.8	23
18	Early Endothelial Activation in a Mouse Model of Graft vs Host Disease Following Chemotherapy. <i>Frontiers in Immunology</i> , 2021, 12, 708554.	4.8	0

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19	P2Y12 receptor blockers are anti-inflammatory drugs inhibiting both circulating monocytes and macrophages including THP-1 cells. <i>Scientific Reports</i> , 2021, 11, 17459.	3.3	14
20	Near-infrared light-responsive liposomes for protein delivery: Towards bleeding-free photothermally-assisted thrombolysis. <i>Journal of Controlled Release</i> , 2021, 337, 212-223.	9.9	32
21	A Recombinant Fusion Construct between Human Serum Albumin and NTPDase CD39 Allows Anti-Inflammatory and Anti-Thrombotic Coating of Medical Devices. <i>Pharmaceutics</i> , 2021, 13, 1504.	4.5	5
22	Molecular imaging of arterial and venous thrombosis. <i>British Journal of Pharmacology</i> , 2021, 178, 4246-4269.	5.4	11
23	Promoted antitumor therapy on pancreatic cancer by a novel recombinant human albumin-bound miriplatin nanoparticle. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 167, 106000.	4.0	3
24	Multi-targeted 1H/19F MRI unmasks specific danger patterns for emerging cardiovascular disorders. <i>Nature Communications</i> , 2021, 12, 5847.	12.8	31
25	Ultrasonic particles: An approach for targeted gene delivery. <i>Advanced Drug Delivery Reviews</i> , 2021, 179, 113998.	13.7	20
26	Transcriptomic and Lipidomic Profiles in Nasal Polyps of Glucocorticoid Responders and Non-Responders: Before and After Treatment. <i>Frontiers in Pharmacology</i> , 2021, 12, 814953.	3.5	3
27	Successful renal denervation decreases the platelet activation status in hypertensive patients. <i>Cardiovascular Research</i> , 2020, 116, 202-210.	3.8	13
28	Higher mortality of COVID-19 in males: sex differences in immune response and cardiovascular comorbidities. <i>Cardiovascular Research</i> , 2020, 116, 2197-2206.	3.8	205
29	Antithrombotic Therapy in Myocardial Infarction: Historic Perils and Current Challenges—A 70-Year Journey. <i>Thrombosis and Haemostasis</i> , 2020, 120, 1352-1356.	3.4	6
30	Fluorine-19 Magnetic Resonance Imaging of Activated Platelets. <i>Journal of the American Heart Association</i> , 2020, 9, e016971.	3.7	14
31	Combined Antiplatelet/Anticoagulant Drug for Cardiac Ischemia/Reperfusion Injury. <i>Circulation Research</i> , 2020, 127, 1211-1213.	4.5	10
32	Dynamic Solid-State Ultrasound Contrast Agent for Monitoring pH Fluctuations In Vivo. <i>ACS Sensors</i> , 2020, 5, 1190-1197.	7.8	17
33	The choice of targets and ligands for site-specific delivery of nanomedicine to atherosclerosis. <i>Cardiovascular Research</i> , 2020, 116, 2055-2068.	3.8	37
34	The pulmonary microvasculature entraps induced vascular progenitor cells (<sc>iVPC</sc>s) systemically delivered after cardiac ischemia/reperfusion injury: Indication for preservation of heart function via paracrine effects beyond engraftment. <i>Microcirculation</i> , 2019, 26, e12493.	1.8	13
35	Lysophosphatidylcholine is a Major Component of Platelet Microvesicles Promoting Platelet Activation and Reporting Atherosclerotic Plaque Instability. <i>Thrombosis and Haemostasis</i> , 2019, 119, 1295-1310.	3.4	32
36	Î±-Tocopherol preserves cardiac function by reducing oxidative stress and inflammation in ischemia/reperfusion injury. <i>Redox Biology</i> , 2019, 26, 101292.	9.0	138

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37	Myocardial Infarctionâ€™From Atherosclerosis to Thrombosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, e176-e185.	2.4	90
38	Prime time viewing of the ischaemic heart: new technologies allow imaging and flow assessment of the microvasculature in the beating heart. <i>Cardiovascular Research</i> , 2019, 115, 1817-1819.	3.8	0
39	Platelets in cardiac ischaemia/reperfusion injury: a promising therapeutic target. <i>Cardiovascular Research</i> , 2019, 115, 1178-1188.	3.8	79
40	Structure-guided design fine-tunes pharmacokinetics, tolerability, and antitumor profile of multispecific frizzled antibodies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 6812-6817.	7.1	23
41	Platelet Depletion is Effective in Ameliorating Anxiety-Like Behavior and Reducing the Pro-Inflammatory Environment in the Hippocampus in Murine Experimental Autoimmune Encephalomyelitis. <i>Journal of Clinical Medicine</i> , 2019, 8, 162.	2.4	23
42	Generation of Cationic Nanoliposomes for the Efficient Delivery of <i>In Vitro</i> Transcribed Messenger RNA. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	5
43	Activated platelets in the tumor microenvironment for targeting of antibody-drug conjugates to tumors and metastases. <i>Theranostics</i> , 2019, 9, 1154-1169.	10.0	32
44	Targeting CD39 Toward Activated Platelets Reduces Systemic Inflammation and Improves Survival in Sepsis: A Preclinical Pilot Study*. <i>Critical Care Medicine</i> , 2019, 47, e420-e427.	0.9	21
45	Functional genomic characterization of a synthetic anti-HER3 antibody reveals a role for ubiquitination by RNF41 in the anti-proliferative response. <i>Journal of Biological Chemistry</i> , 2019, 294, 1396-1409.	3.4	3
46	Changes in the clinical and histological characteristics of Chinese chronic rhinosinusitis with nasal polyps over 11 years. <i>International Forum of Allergy and Rhinology</i> , 2019, 9, 149-157.	2.8	35
47	Mending the failing heart. <i>Aging</i> , 2019, 11, 1605-1606.	3.1	2
48	A single-chain antibody-CD39 fusion protein targeting activated platelets protects from cardiac ischaemia/reperfusion injury. <i>European Heart Journal</i> , 2018, 39, 111-116.	2.2	45
49	Dual-Targeted Theranostic Delivery of miRs Arrests Abdominal Aortic Aneurysm Development. <i>Molecular Therapy</i> , 2018, 26, 1056-1065.	8.2	43
50	Mesoscale Nanoparticles. <i>Hypertension</i> , 2018, 71, 61-63.	2.7	5
51	Inflammatory Myofibroblastic Tumors in Paranasal Sinus and Nasopharynx: A Clinical Retrospective Study of 13 Cases. <i>BioMed Research International</i> , 2018, 2018, 1-9.	1.9	5
52	Targeted Microbubbles Loaded with microRNA for a Theranostic Approach of Abdominal Aortic Aneurysms. <i>Atherosclerosis Supplements</i> , 2018, 32, 20.	1.2	0
53	Platelet-targeted dual pathway antithrombotic inhibits thrombosis with preserved hemostasis. <i>JCI Insight</i> , 2018, 3, .	5.0	23
54	Transitional changes in the CRP structure lead to the exposure of proinflammatory binding sites. <i>Nature Communications</i> , 2017, 8, 14188.	12.8	158

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55	Molecular imaging of activated platelets via antibody-targeted ultra-small iron oxide nanoparticles displaying unique dual MRI contrast. <i>Biomaterials</i> , 2017, 134, 31-42.	11.4	78
56	Molecular Imaging of Atherothrombotic Diseases. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 1029-1040.	2.4	54
57	Clinical effects of p53 overexpression in squamous cell carcinoma of the sinonasal tract. <i>Medicine (United States)</i> , 2017, 96, e6424.	1.0	9
58	Intranasal application of glucocorticoid alleviates olfactory dysfunction in mice with allergic rhinitis. <i>Experimental and Therapeutic Medicine</i> , 2017, 14, 3971-3978.	1.8	10
59	Cationic Nanoliposomes Meet mRNA: Efficient Delivery of Modified mRNA Using Hemocompatible and Stable Vectors for Therapeutic Applications. <i>Molecular Therapy - Nucleic Acids</i> , 2017, 8, 459-468.	5.1	31
60	Therapeutic targeting in nanomedicine: the future lies in recombinant antibodies. <i>Nanomedicine</i> , 2017, 12, 1873-1889.	3.3	53
61	Genome-wide CRISPR screens reveal a Wnt-FZD5 signaling circuit as a druggable vulnerability of RNF43-mutant pancreatic tumors. <i>Nature Medicine</i> , 2017, 23, 60-68.	30.7	261
62	Targeting Activated Platelets: A Unique and Potentially Universal Approach for Cancer Imaging. <i>Theranostics</i> , 2017, 7, 2565-2574.	10.0	43
63	Platelet-Targeted Delivery of Peripheral Blood Mononuclear Cells to the Ischemic Heart Restores Cardiac Function after Ischemia-Reperfusion Injury. <i>Theranostics</i> , 2017, 7, 3192-3206.	10.0	36
64	Platelet-Derived Microvesicles in Cardiovascular Diseases. <i>Frontiers in Cardiovascular Medicine</i> , 2017, 4, 74.	2.4	120
65	Nanoliposomes for Safe and Efficient Therapeutic mRNA Delivery: A Step Toward Nanotheranostics in Inflammatory and Cardiovascular Diseases as well as Cancer. <i>Nanotheranostics</i> , 2017, 1, 154-165.	5.2	21
66	A Unique Recombinant Fluoroprobe Targeting Activated Platelets Allows <i>In Vivo</i> Detection of Arterial Thrombosis and Pulmonary Embolism Using a Novel Three-Dimensional Fluorescence Emission Computed Tomography (FLECT) Technology. <i>Theranostics</i> , 2017, 7, 1047-1061.	10.0	22
67	Preimplantation factor prevents atherosclerosis via its immunomodulatory effects without affecting serum lipids. <i>Thrombosis and Haemostasis</i> , 2016, 115, 1010-1024.	3.4	26
68	Thrombus-Targeted Theranostic Microbubbles: A New Technology towards Concurrent Rapid Ultrasound Diagnosis and Bleeding-free Fibrinolytic Treatment of Thrombosis. <i>Theranostics</i> , 2016, 6, 726-738.	10.0	112
69	Nanoporous Metal-Phenolic Particles as Ultrasound Imaging Probes for Hydrogen Peroxide. <i>Advanced Healthcare Materials</i> , 2015, 4, 2170-2175.	7.6	57
70	Multifunctional Thrombin-Activatable Polymer Capsules for Specific Targeting to Activated Platelets. <i>Advanced Materials</i> , 2015, 27, 5153-5157.	21.0	73
71	A Versatile Approach for the Site-Specific Modification of Recombinant Antibodies Using a Combination of Enzyme-Mediated Bioconjugation and Click Chemistry. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7515-7519.	13.8	48
72	Particle generation, functionalization and sortase-mediated modification with targeting of single-chain antibodies for diagnostic and therapeutic use. <i>Nature Protocols</i> , 2015, 10, 90-105.	12.0	45

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73	Towards Effective and Safe Thrombolysis and Thromboprophylaxis. <i>Circulation Research</i> , 2014, 114, 1083-1093.	4.5	76
74	Single-Chain Antibody Conjugated to a Cage Amine Chelator and Labeled with Positron-Emitting Copper-64 for Diagnostic Imaging of Activated Platelets. <i>Molecular Pharmaceutics</i> , 2014, 11, 2855-2863.	4.6	42
75	Dual-Contrast Molecular Imaging Allows Noninvasive Characterization of Myocardial Ischemia/Reperfusion Injury After Coronary Vessel Occlusion in Mice by Magnetic Resonance Imaging. <i>Circulation</i> , 2014, 130, 676-687.	1.6	52
76	Delayed targeting of CD39 to activated platelet GPIIb/IIIa via a single-chain antibody: breaking the link between antithrombotic potency and bleeding?. <i>Blood</i> , 2013, 121, 3067-3075.	1.4	72
77	Novel Single-Chain Antibody-Targeted Microbubbles for Molecular Ultrasound Imaging of Thrombosis. <i>Circulation</i> , 2012, 125, 3117-3126.	1.6	150
78	Amyloid Plaques Dissociate Pentameric to Monomeric C α Reactive Protein: A Novel Pathomechanism Driving Cortical Inflammation in Alzheimer's Disease?. <i>Brain Pathology</i> , 2012, 22, 337-346.	4.1	70
79	Enzymatic Single-Chain Antibody Tagging. <i>Circulation Research</i> , 2011, 109, 365-373.	4.5	90