

Ke Xu

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

517
citations

759233

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22
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docs citations

31
times ranked

856
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical intuition for high thermoelectric performance in monolayer black phosphorus, 1 \pm -arsenene and aW-antimonene. <i>Journal of Materials Chemistry A</i> , 2018, 6, 2018-2033.	10.3	80
2	Intelligent Textiles with Comfort Regulation and Inhibition of Bacterial Adhesion Realized by Cross-Linking Poly(<i>N</i> -isopropylacrylamide-co-ethylene glycol methacrylate) to Cotton Fabrics. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 13647-13656.	8.0	62
3	Stress-driven dynamic regulation of multiple tolerance genes improves robustness and productive capacity of <i>Saccharomyces cerevisiae</i> in industrial lignocellulose fermentation. <i>Metabolic Engineering</i> , 2020, 61, 160-170.	7.0	57
4	Genome-wide association study reveals the genetic basis of cold tolerance in wheat. <i>Molecular Breeding</i> , 2020, 40, 1.	2.1	41
5	Thermal, mechanical properties, and low-temperature performance of fibrous nanoclay-reinforced epoxy asphalt composites and their concretes. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	30
6	Identification of type IV collagen exposure as a molecular imaging target for early detection of thoracic aortic dissection. <i>Theranostics</i> , 2018, 8, 437-449.	10.0	26
7	Human VE-Cadherin Fusion Protein as an Artificial Extracellular Matrix Enhancing the Proliferation and Differentiation Functions of Endothelial Cell. <i>Biomacromolecules</i> , 2016, 17, 756-766.	5.4	22
8	Enhanced Biological Functions of Human Mesenchymal Stem Cell Aggregates Incorporating E-Cadherin-Modified PLGA Microparticles. <i>Advanced Healthcare Materials</i> , 2016, 5, 1949-1959.	7.6	20
9	Risk assessment of water resources utilization in Songliao Basin of Northeast China. <i>Environmental Earth Sciences</i> , 2012, 67, 1319-1329.	2.7	18
10	Astronomical time scale of the Paleogene lacustrine paleoclimate record from the Nanxiang Basin, central China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019, 532, 109253.	2.3	17
11	VE-Cadherin regulates the self-renewal of mouse embryonic stem cells via LIF/Stat3 signaling pathway. <i>Biomaterials</i> , 2018, 158, 34-43.	11.4	16
12	Carbon nanofibers reinforced soy polyol-based polyurethane nanocomposites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 123, 2459-2468.	3.6	15
13	Study of thermal-sensitive alginate-Ca ²⁺ /poly(<i>N</i> -isopropylacrylamide) hydrogels supported by cotton fabric for wound dressing applications. <i>Textile Research Journal</i> , 2019, 89, 801-813.	2.2	13
14	A Novel Cre Recombinase-Mediated <i>In Vivo</i> Minicircle DNA (CRIM) Vaccine Provides Partial Protection against Newcastle Disease Virus. <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	12
15	Melatonin Promotes the Proliferation of Chicken Sertoli Cells by Activating the ERK/Inhibin Alpha Subunit Signaling Pathway. <i>Molecules</i> , 2020, 25, 1230.	3.8	11
16	Influence of Ethylene Glycol Methacrylate to the Hydration and Transition Behaviors of Thermo-Responsive Interpenetrating Polymeric Network Hydrogels. <i>Polymers</i> , 2018, 10, 128.	4.5	10
17	Recent advances in engineering of microbial cell factories for intelligent pH regulation and tolerance. <i>Biotechnology Journal</i> , 2021, 16, e2100151.	3.5	10
18	Enhanced vascularization of PCL porous scaffolds through VEGF-Fc modification. <i>Journal of Materials Chemistry B</i> , 2018, 6, 4474-4485.	5.8	9

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19	O-glycosyltransferases from Homo sapiens contributes to the biosynthesis of Glycyrrhetic Acid 3-O-mono- ¹² -D-glucuronide and Glycyrrhizin in Saccharomyces cerevisiae. Synthetic and Systems Biotechnology, 2021, 6, 173-179.	3.7	9
20	Molecular tracking investigation of melioidosis cases reveals regional endemicity in Hainan, China. Biomedical Reports, 2016, 5, 766-770.	2.0	8
21	Improved Range Tunability of DFB Lasers Based on REC Technique Under Injection Current. IEEE Journal of Quantum Electronics, 2021, 57, 1-7.	1.9	6
22	Star-forming S0 galaxies in the SDSS-IV MaNGA survey. Monthly Notices of the Royal Astronomical Society, 2021, 509, 1237-1244.	4.4	6
23	Reconstructing Eocene Eastern Indian Ocean Dynamics Using Oceanâ€Drilling Stratigraphic Records. Paleoceanography and Paleoclimatology, 2021, 36, e2020PA004116.	2.9	4
24	Recent advances in yeast genome evolution with stress tolerance for green biological manufacturing. Biotechnology and Bioengineering, 2022, 119, 2689-2697.	3.3	4
25	ROR: An RSSI Based OMNI-Directional Routing Algorithm for GeoBroadcast in VANETs. , 2017, , .		3
26	Ironâ€Promoted Radical Cyclization of β , γ -Unsaturated Oximes: Dual Role of Iron(III) Nitrate as a Promoter and Nitrooxy Source. Asian Journal of Organic Chemistry, 2021, 10, 831-837.	2.7	3
27	Coherent Image Source Modeling of Sound Fields in Long Spaces with a Sound-Absorbing Ceiling. Applied Sciences (Switzerland), 2021, 11, 6743.	2.5	3
28	Association of left ventricular systolic dysfunction with coronary artery dilation in Kawasaki disease patients: Assessment with cardiovascular magnetic resonance. European Journal of Radiology, 2021, 145, 110039.	2.6	2
29	Designed Stem Cell Aggregates: Enhanced Biological Functions of Human Mesenchymal Stemâ€Cell Aggregates Incorporating Eâ€Cadherinâ€Modified PLGA Microparticles (Adv. Healthcare Mater. 15/2016). Advanced Healthcare Materials, 2016, 5, 1992-1992.	7.6	0
30	Internal iliac artery balloon occlusion as a hemostatic method for spontaneous rupture of vulvar hematoma during delivery: A case report. Journal of International Medical Research, 2018, 46, 2994-2999.	1.0	0
31	Efficient Task Offloading Using Reinforcement Learning in Mobile Edge Computing for Network RTK. , 2021, , .		0