

Zhiyong Xia

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9532204/publications.pdf>

Version: 2024-02-01

22
papers

590
citations

686830

13
h-index

752256

20
g-index

24
all docs

24
docs citations

24
times ranked

1061
citing authors

#	ARTICLE	IF	CITATIONS
1	Heavy metal ion removal by thiol functionalized aluminum oxide hydroxide nanowhiskers. Applied Surface Science, 2017, 416, 565-573.	3.1	90
2	Reversible Atmospheric Water Harvesting Using Metal-Organic Frameworks. Scientific Reports, 2020, 10, 1492.	1.6	89
3	Determination of crosslinking density of hydrogels prepared from microcrystalline cellulose. Journal of Applied Polymer Science, 2013, 127, 4537-4541.	1.3	60
4	Enhanced elastin synthesis and maturation in human vascular smooth muscle tissue derived from induced-pluripotent stem cells. Acta Biomaterialia, 2017, 52, 49-59.	4.1	51
5	Robust Composite-Shell Microcapsules via Pickering Emulsification. ACS Applied Materials & Interfaces, 2015, 7, 7315-7323.	4.0	50
6	â€˜Seeingâ€™ Strain in Soft Materials. Molecules, 2019, 24, 542.	1.7	30
7	Decoupling Oxygen and Chlorine Evolution Reactions in Seawater using Iridium-based Electrocatalysts. ChemCatChem, 2020, 12, 4526-4532.	1.8	28
8	An Untethered Soft Robot Based on Liquid Crystal Elastomers. Soft Robotics, 2022, 9, 154-162.	4.6	28
9	Stem cell impregnated nanofiber stent sleeve for on-stent production and intravascular delivery of paracrine factors. Biomaterials, 2015, 52, 318-326.	5.7	27
10	Advanced Filtration Membranes for the Removal of Perfluoroalkyl Species from Water. ACS Omega, 2019, 4, 8001-8006.	1.6	27
11	Collagen Fiber Architecture Regulates Hypoxic Sarcoma Cell Migration. ACS Biomaterials Science and Engineering, 2018, 4, 400-409.	2.6	22
12	A Feedback Loop between Hypoxia and Matrix Stress Relaxation Increases Oxygen-Axis Migration and Metastasis in Sarcoma. Cancer Research, 2019, 79, 1981-1995.	0.4	22
13	Method for the synthesis of <i>para</i> -aramid nanofibers. Journal of Applied Polymer Science, 2016, 133, .	1.3	21
14	Free-volume hole relaxation in molecularly oriented glassy polymers. Physical Review E, 2014, 89, 022603.	0.8	13
15	Synthesis and mechanical properties of <i>para</i> -aramid nanofibers. Journal of Polymer Science, Part B: Polymer Physics, 2019, 57, 563-573.	2.4	11
16	Structure and relaxation in cellulose hydrogels. Journal of Applied Polymer Science, 2015, 132, .	1.3	9
17	Effects of network structure on the mechanical and thermal responses of liquid crystal elastomers. Multifunctional Materials, 2020, 3, 015002.	2.4	4
18	Novel niobium-doped titanium oxide towards electrochemical destruction of forever chemicals. Scientific Reports, 2021, 11, 18020.	1.6	4

#	ARTICLE	IF	CITATIONS
19	Banded structures in collagen vitrigels for corneal injury repair. <i>Acta Biomaterialia</i> , 2014, 10, 3615-3619.	4.1	2
20	Rapid Carbothermal Shock Enhances the Double-Layer Response of Graphene Oxideâ€“Carbon Nanotube Electrodes. <i>Energy & Fuels</i> , 2021, 35, 17919-17929.	2.5	2
21	Development of an environmentally-durable, low-friction coating. <i>MRS Communications</i> , 2021, 11, 256-260.	0.8	0
22	Abstract 18045: Stem Cell Impregnated Nanofiber Stent Sleeve for Intravascular Paracrine Factor Production. <i>Circulation</i> , 2014, 130, .	1.6	0