

Masoud Hasany

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,120
citations

623734

14
h-index

677142

22
g-index

26
all docs

26
docs citations

26
times ranked

1715
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-Healing Hydrogels: The Next Paradigm Shift in Tissue Engineering?. <i>Advanced Science</i> , 2019, 6, 1801664.	11.2	314
2	A Hydrogen-Bonded Extracellular Matrix-Mimicking Bactericidal Hydrogel with Radical Scavenging and Hemostatic Function for pH-Responsive Wound Healing Acceleration. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001122.	7.6	142
3	The Manufacture of Unbreakable Bionics via Multifunctional and Self-Healing Silk-Graphene Hydrogels. <i>Advanced Materials</i> , 2021, 33, e2100047.	21.0	87
4	Biocatalysts in microbial electrolysis cells: A review. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 1477-1493.	7.1	83
5	Blending Electronics with the Human Body: A Pathway toward a Cybernetic Future. <i>Advanced Science</i> , 2018, 5, 1700931.	11.2	83
6	Ligand functionalized copper nanoclusters for versatile applications in catalysis, sensing, bioimaging, and optoelectronics. <i>Materials Chemistry Frontiers</i> , 2019, 3, 2326-2356.	5.9	75
7	Electroconductive biomaterials for cardiac tissue engineering. <i>Acta Biomaterialia</i> , 2022, 139, 118-140.	8.3	61
8	Combinatorial Screening of Nanoclay-Reinforced Hydrogels: A Glimpse of the "Holy Grail" in Orthopedic Stem Cell Therapy?. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 34924-34941.	8.0	54
9	Investigation of the Effect of Nanosilica on Rheological, Thermal, Mechanical, Structural, and Piezoelectric Properties of Poly(vinylidene fluoride) Nanofibers Fabricated Using an Electrospinning Technique. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 12596-12607.	3.7	43
10	Produced Water Treatment with Simultaneous Bioenergy Production Using Novel Bioelectrochemical Systems. <i>Electrochimica Acta</i> , 2015, 180, 535-544.	5.2	34
11	A Protein-Based, Water-Insoluble, and Bendable Polymer with Ionic Conductivity: A Roadmap for Flexible and Green Electronics. <i>Advanced Science</i> , 2019, 6, 1801241.	11.2	34
12	Synthesis, properties, and biomedical applications of alginate methacrylate (ALMA)-based hydrogels: Current advances and challenges. <i>Applied Materials Today</i> , 2021, 24, 101150.	4.3	29
13	Silica nanoparticle surface chemistry: An important trait affecting cellular biocompatibility in two and three dimensional culture systems. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 182, 110353.	5.0	18
14	Effect of hydrogen combustion reaction on the dehydrogenation of ethane in a fixed-bed catalytic membrane reactor. <i>Chinese Journal of Chemical Engineering</i> , 2015, 23, 1316-1325.	3.5	15
15	Sustained release of CIP from TiO ₂ -PVDF/starch nanocomposite mats with potential application in wound dressing. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48916.	2.6	12
16	Simultaneously energy production and dairy wastewater treatment using bioelectrochemical cells: In different environmental and hydrodynamic modes. <i>Chinese Journal of Chemical Engineering</i> , 2017, 25, 1847-1855.	3.5	11
17	Biodegradation of Carbon-Based Nanomaterials: The Importance of "Biomolecular Corona" Consideration. <i>Advanced Functional Materials</i> , 2022, 32, 2105649.	14.9	9
18	A self-healable, moldable and bioactive biomaterial gum for personalised and wearable drug delivery. <i>Journal of Materials Chemistry B</i> , 2020, 8, 4340-4356.	5.8	7

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19	Anti-Bacterial Hydrogels: A Hydrogen-Bonded Extracellular Matrix-Mimicking Bactericidal Hydrogel with Radical Scavenging and Hemostatic Function for pH-Responsive Wound Healing Acceleration (Adv. Healthcare Mater. 3/2021). Advanced Healthcare Materials, 2021, 10, 2170009.	7.6	4
20	Cobalt ferrite nanoparticles synthesis by sol-gel auto-combustion method in the presence of agarose: a non-isothermal kinetic analysis. Journal of Thermal Analysis and Calorimetry, 0, , .	3.6	2
21	Flexible Bioelectronics: Blending Electronics with the Human Body: A Pathway toward a Cybernetic Future (Adv. Sci. 10/2018). Advanced Science, 2018, 5, 1870059.	11.2	1
22	Flexible Electronics: A Protein-Based, Water-Insoluble, and Bendable Polymer with Ionic Conductivity: A Roadmap for Flexible and Green Electronics (Adv. Sci. 5/2019). Advanced Science, 2019, 6, 1970026.	11.2	1
23	The Manufacture of Unbreakable Bionics via Multifunctional and Self-Healing Silk-Graphene Hydrogels (Adv. Mater. 35/2021). Advanced Materials, 2021, 33, 2170276.	21.0	1
24	Self-Healable Hydrogels: Self-Healing Hydrogels: The Next Paradigm Shift in Tissue Engineering? (Adv.) Tj ETQq0,0,0 rgBT /Overlock 1	11.2	0
25	402.7: Homemade Hydrogel From Human Amniotic Membrane Improves Islet Transplantation Outcomes in Diabetic Immunodeficient Mice. Transplantation, 2021, 105, S29-S29.	1.0	0
26	Biodegradation of Carbon-Based Nanomaterials: The Importance of Biomolecular Corona Consideration (Adv. Funct. Mater. 6/2022). Advanced Functional Materials, 2022, 32, .	14.9	0