

Mui Hoon Nai

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,079
citations

516710

16
h-index

526287

27
g-index

31
all docs

31
docs citations

31
times ranked

1864
citing authors

#	ARTICLE	IF	CITATIONS
1	Epithelial bridges maintain tissue integrity during collective cell migration. <i>Nature Materials</i> , 2014, 13, 87-96.	27.5	162
2	Potassium channel dysfunction in human neuronal models of Angelman syndrome. <i>Science</i> , 2019, 366, 1486-1492.	12.6	118
3	Slurry erosion characteristics and erosion mechanisms of stainless steel. <i>Tribology International</i> , 2014, 79, 1-7.	5.9	105
4	Interface tailoring to enhance mechanical properties of carbon nanotube reinforced magnesium composites. <i>Materials & Design</i> , 2014, 60, 490-495.	5.1	97
5	Development of high performance Mg@TiO ₂ nanocomposites targeting for biomedical/structural applications. <i>Materials & Design</i> , 2015, 65, 104-114.	5.1	82
6	Thermal-Disrupting Interface Mitigates Intercellular Cohesion Loss for Accurate Topical Antibacterial Therapy. <i>Advanced Materials</i> , 2020, 32, e1907030.	21.0	75
7	Probing the Physical Origin of Anisotropic Thermal Transport in Black Phosphorus Nanoribbons. <i>Advanced Materials</i> , 2018, 30, e1804928.	21.0	50
8	Ultralow Thermal Conductivity of Single-Crystalline Porous Silicon Nanowires. <i>Advanced Functional Materials</i> , 2017, 27, 1702824.	14.9	47
9	Orientational Coupling Locally Orchestrates a Cell Migration Pattern for Re-Epithelialization. <i>Advanced Materials</i> , 2017, 29, 1700145.	21.0	33
10	Role of Cytoskeletal Tension in the Induction of Cardiomyogenic Differentiation in Micropatterned Human Mesenchymal Stem Cell. <i>Advanced Healthcare Materials</i> , 2015, 4, 1399-1407.	7.6	28
11	Rapid, High-Throughput Tracking of Bacterial Motility in 3D via Phase-Contrast Holographic Video Microscopy. <i>Biophysical Journal</i> , 2015, 108, 1248-1256.	0.5	28
12	Nanovoid-Enhanced Thin-Film Composite Reverse Osmosis Membranes Using ZIF-67 Nanoparticles as a Sacrificial Template. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 33024-33033.	8.0	26
13	Biomimicking Fiber Platform with Tunable Stiffness to Study Mechanotransduction Reveals Stiffness Enhances Oligodendrocyte Differentiation but Impedes Myelination through YAP-Dependent Regulation. <i>Small</i> , 2020, 16, e2003656.	10.0	25
14	Effects of Primary Processing Techniques and Significance of Hall-Petch Strengthening on the Mechanical Response of Magnesium Matrix Composites Containing TiO ₂ Nanoparticulates. <i>Nanomaterials</i> , 2015, 5, 1256-1283.	4.1	23
15	Aggrin-Matrix Metalloproteinase-12 axis confers a mechanically competent microenvironment in skin wound healing. <i>Nature Communications</i> , 2021, 12, 6349.	12.8	21
16	Young's Modulus Determination of Normal and Glaucomatous Human Iris. , 2019, 60, 2690.		19
17	Large-Area, Periodic, Hexagonal Wrinkles on Nanocrystalline Graphitic Film. <i>Advanced Functional Materials</i> , 2015, 25, 5492-5503.	14.9	16
18	Viscoelastic Effects of Silicone Gels at the Micro- and Nanoscale. <i>Procedia IUTAM</i> , 2015, 12, 20-30.	1.2	15

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19	Polysaccharide nanofibers with variable compliance for directing cell fate. Journal of Biomedical Materials Research - Part A, 2015, 103, 959-968.	4.0	15
20	Ageing properties of polyurethane methacrylate and off-stoichiometry thiol-ene polymers after nitrogen and argon plasma treatment. Journal of Applied Polymer Science, 2016, 133, .	2.6	15
21	Effects of TiO ₂ powder morphology on the mechanical response of pure magnesium: 1D nanofibers versus 0D nanoparticulates. Journal of Alloys and Compounds, 2016, 664, 45-58.	5.5	14
22	Graphene oxide inhibits malaria parasite invasion and delays parasitic growth <i>in vitro</i> . Nanoscale, 2017, 9, 14065-14073.	5.6	14
23	Reinforcing Low-Volume Fraction Nano-TiN Particulates to Monolithical, Pure Mg for Enhanced Tensile and Compressive Response. Materials, 2016, 9, 134.	2.9	13
24	High-throughput functional profiling of single adherent cells <i>via</i> hydrogel drop-screen. Lab on A Chip, 2021, 21, 764-774.	6.0	13
25	Nanoindentation Study of Polymer Based Nanocomposites. Journal of Metastable and Nanocrystalline Materials, 2005, 23, 363-366.	0.1	9
26	Differential Collective Cell Migratory Behaviors Modulated by Phospholipid Nanocarriers. ACS Nano, 2021, 15, 17412-17425.	14.6	7
27	A Plasmonic Supramolecular Nanohybrid as a Contrast Agent for Site-Selective Computed Tomography Imaging of Tumor. Advanced Functional Materials, 2022, 32, 2110575.	14.9	6
28	Skin models for cutaneous melioidosis reveal <i>Burkholderia</i> infection dynamics at wound's edge with inflammasome activation, keratinocyte extrusion and epidermal detachment. Emerging Microbes and Infections, 2021, 10, 2326-2339.	6.5	3
29	Fabrication of CNT interconnect structures and active devices using laser beam manipulation and deposition. , 2008, , .		0
30	Enhancement of Mechanical Properties by Reinforcing Magnesium With Ni-Coated Carbon Nanotubes. , 2010, , .		0