

Gerrard Eddy Jai Poinern

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,355
citations

516561

16
h-index

610775

24
g-index

24
all docs

24
docs citations

24
times ranked

2102
citing authors

#	ARTICLE	IF	CITATIONS
1	Progress in Nano-Engineered Anodic Aluminum Oxide Membrane Development. <i>Materials</i> , 2011, 4, 487-526.	1.3	312
2	A Review of Current Research into the Biogenic Synthesis of Metal and Metal Oxide Nanoparticles via Marine Algae and Seagrasses. <i>Journal of Nanoscience</i> , 2017, 2017, 1-15.	2.6	157
3	Synthesis and characterisation of nanohydroxyapatite using an ultrasound assisted method. <i>Ultrasonics Sonochemistry</i> , 2009, 16, 469-474.	3.8	141
4	Defluoridation behavior of nanostructured hydroxyapatite synthesized through an ultrasonic and microwave combined technique. <i>Journal of Hazardous Materials</i> , 2011, 185, 29-37.	6.5	99
5	Adsorption of the aurocyanide, complex on granular activated carbons derived from macadamia nut shells – A preliminary study. <i>Minerals Engineering</i> , 2011, 24, 1694-1702.	1.8	74
6	Thermal and ultrasonic influence in the formation of nanometer scale hydroxyapatite bio-ceramic. <i>International Journal of Nanomedicine</i> , 2011, 6, 2083.	3.3	73
7	Progress towards Sustainable Utilisation and Management of Food Wastes in the Global Economy. <i>International Journal of Food Science</i> , 2016, 2016, 1-22.	0.9	73
8	Arsenic adsorption on goethite nanoparticles produced through hydrazine sulfate assisted synthesis method. <i>Korean Journal of Chemical Engineering</i> , 2012, 29, 95-102.	1.2	72
9	Engineering a Biocompatible Scaffold with Either Micrometre or Nanometre Scale Surface Topography for Promoting Protein Adsorption and Cellular Response. <i>International Journal of Biomaterials</i> , 2013, 2013, 1-16.	1.1	68
10	The Potential of Nanoporous Anodic Aluminium Oxide Membranes to Influence Skin Wound Repair. <i>Tissue Engineering - Part A</i> , 2009, 15, 3753-3763.	1.6	46
11	Glassy carbon electrode modified with hybrid films containing inorganic molybdate anions trapped in organic matrices of chitosan and ionic liquid for the amperometric sensing of phosphate at neutral pH. <i>Sensors and Actuators B: Chemical</i> , 2011, 160, 1224-1231.	4.0	37
12	How does biochar aging affect NH ₃ volatilization and GHGs emissions from agricultural soils?. <i>Environmental Pollution</i> , 2022, 294, 118598.	3.7	36
13	Nanoengineering a Biocompatible Inorganic Scaffold for Skin Wound Healing. <i>Journal of Biomedical Nanotechnology</i> , 2010, 6, 497-510.	0.5	29
14	Significance of novel bioinorganic anodic aluminum oxide nanoscaffolds for promoting cellular response. <i>Nanotechnology, Science and Applications</i> , 2011, 4, 11.	4.6	28
15	Effect of dilute gelatine on the ultrasonic thermally assisted synthesis of nano hydroxyapatite. <i>Ultrasonics Sonochemistry</i> , 2011, 18, 697-703.	3.8	27
16	Photothermal response of CVD synthesized carbon (nano)spheres/aqueous nanofluids for potential application in direct solar absorption collectors: a preliminary investigation. <i>Nanotechnology, Science and Applications</i> , 2012, 5, 49.	4.6	24
17	Surface and interface analysis of poly-hydroxyethylmethacrylate-coated anodic aluminium oxide membranes. <i>Applied Surface Science</i> , 2014, 289, 560-563.	3.1	14
18	Chemical Synthesis, Characterisation, and Biocompatibility of Nanometre Scale Porous Anodic Aluminium Oxide Membranes for Use as a Cell Culture Substrate for the Vero Cell Line: A Preliminary Study. <i>BioMed Research International</i> , 2014, 2014, 1-10.	0.9	12

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19	Ultrasonic synthetic technique to manufacture a pHEMA nanopolymeric-based vaccine against the H6N2 avian influenza virus: a preliminary investigation. <i>International Journal of Nanomedicine</i> , 2011, 6, 2167.	3.3	9
20	Hydrochar amendments stimulate soil nitrous oxide emission by increasing production of hydroxyl radicals and shifting nitrogen functional genes in the short term: A culture experiment. <i>Chemosphere</i> , 2022, 302, 134771.	4.2	7
21	Fine-tuning of catalytic tin nanoparticles by the reverse micelle method for direct deposition of silicon nanowires by a plasma-enhanced chemical vapour technique. <i>Journal of Colloid and Interface Science</i> , 2010, 352, 259-264.	5.0	5
22	Development of a Nano-vaccine against a Wild Bird H6N2 Avian Influenza Virus. <i>Procedia in Vaccinology</i> , 2010, 2, 40-43.	0.4	4
23	Biocompatibility of composite membranes composed of anodic aluminium oxide (AAO) and Poly (2-hydroxyethylmethacrylate) for use as a cell culture substrate. <i>Materials Letters</i> , 2014, 131, 182-185.	1.3	4
24	A LaFeO ₃ supported natural clay mineral catalyst for efficient pyrolysis of polypropylene plastic material. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2021, 16, e2695.	0.8	4