

Asst Vorrada Loryuenyong

List of Publications by Year in descending order

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60
papers

1,015
citations

623734

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62
docs citations

62
times ranked

1517
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation and Characterization of Reduced Graphene Oxide Sheets via Water-Based Exfoliation and Reduction Methods. <i>Advances in Materials Science and Engineering</i> , 2013, 2013, 1-5.	1.8	265
2	Effects of recycled glass substitution on the physical and mechanical properties of clay bricks. <i>Waste Management</i> , 2009, 29, 2717-2721.	7.4	143
3	Calcium Oxide Derived from Waste Shells of Mussel, Cockle, and Scallop as the Heterogeneous Catalyst for Biodiesel Production. <i>Scientific World Journal</i> , The, 2013, 2013, 1-7.	2.1	112
4	Continuous Process for Biodiesel Production in Packed Bed Reactor from Waste Frying Oil Using Potassium Hydroxide Supported on <i>Jatropha curcas</i> Fruit Shell as Solid Catalyst. <i>Applied Sciences (Switzerland)</i> , 2012, 2, 641-653.	2.5	54
5	Utilization of Scallop Waste Shell for Biodiesel Production from Palm Oil – Optimization Using Taguchi Method. <i>APCBEE Procedia</i> , 2014, 8, 216-221.	0.5	50
6	Transesterification of waste frying oil for synthesizing biodiesel by KOH supported on coconut shell activated carbon in packed bed reactor. <i>ScienceAsia</i> , 2012, 38, 283.	0.5	46
7	The Improvement in Mechanical and Barrier Properties of Poly(Vinyl Alcohol)/Graphene Oxide Packaging Films. <i>Packaging Technology and Science</i> , 2015, 28, 939-947.	2.8	33
8	Sol-gel derived mesoporous titania nanoparticles: Effects of calcination temperature and alcoholic solvent on the photocatalytic behavior. <i>Ceramics International</i> , 2012, 38, 2233-2237.	4.8	32
9	Enhancement of (In,Ga)N light-emitting diode performance by laser liftoff and transfer from sapphire to silicon. <i>IEEE Photonics Technology Letters</i> , 2002, 14, 1400-1402.	2.5	30
10	The Photocatalytic Reduction of Hexavalent Chromium by Controllable Mesoporous Anatase TiO ₂ Nanoparticles. <i>Advances in Materials Science and Engineering</i> , 2014, 2014, 1-8.	1.8	23
11	The Application of Calcium Oxide and Magnesium Oxide from Natural Dolomitic Rock for Biodiesel Synthesis. <i>Energy Procedia</i> , 2015, 79, 562-566.	1.8	23
12	Natural Hydroxyapatite (NHAp) Derived from Pork Bone as a Renewable Catalyst for Biodiesel Production via Microwave Irradiation. <i>Key Engineering Materials</i> , 0, 659, 216-220.	0.4	23
13	Rapid transesterification of <i>Jatropha curcas</i> oil to biodiesel using novel catalyst with a microwave heating system. <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 3388-3400.	2.7	19
14	Oyster and <i>Pyramidella</i> Shells as Heterogeneous Catalysts for the Microwave-Assisted Biodiesel Production from <i>Jatropha curcas</i> Oil. <i>Journal of Chemistry</i> , 2015, 2015, 1-7.	1.9	17
15	The synthesis of microporous and mesoporous titania with high specific surface area using sol-gel method and activated carbon templates. <i>Materials Letters</i> , 2012, 87, 47-50.	2.6	16
16	Application of waste materials as a heterogeneous catalyst for biodiesel production from <i>Jatropha Curcas</i> oil via microwave irradiation. <i>Materials Today: Proceedings</i> , 2017, 4, 6051-6059.	1.8	14
17	Sol-gel template synthesis and photocatalytic behaviour of anatase titania nanoparticles. <i>ScienceAsia</i> , 2012, 38, 301.	0.5	14
18	Synthesis of templated mesoporous silica nanoparticles under base catalysis. <i>Advances in Applied Ceramics</i> , 2011, 110, 335-339.	1.1	13

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19	Kinetics of Photocatalytic Degradation of Methylene Blue by TiO ₂ -Graphene Nanocomposites. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 296-302.	0.9	8
20	Synergistic effects of graphene-polyaniline counter electrode in dye-sensitized solar cells. <i>Micro and Nano Letters</i> , 2016, 11, 77-80.	1.3	7
21	Synthesis of PET-PLA copolymer from recycle plastic bottle and study of its applications in the electrochromic devices with graphene conductive ink. <i>Materials Today: Proceedings</i> , 2018, 5, 11060-11067.	1.8	7
22	Continuous Production of Biodiesel from Rubber Seed Oil Using a Packed Bed Reactor with BaCl ₂ Impregnated CaO as Catalyst. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2018, 13, 320-330.	1.1	7
23	Photo-Polymer Wafer Bonding for Double Layer Transfer. <i>Materials Research Society Symposia Proceedings</i> , 2003, 768, 561.	0.1	5
24	Crystallisation of CH ₃ NH ₃ PbX ₃ (X = I, Br, and Cl) trihalide perovskite using PbI ₂ and PbCl ₂ precursors. <i>Micro and Nano Letters</i> , 2018, 13, 486-489.	1.3	5
25	The fabrication of graphene-polypyrrole composite for application with dye-sensitized solar cells. <i>Materials Today: Proceedings</i> , 2019, 17, 1675-1681.	1.8	5
26	The Synthesis of 2D CH ₃ NH ₃ PbI ₃ Perovskite Films with Tunable Bandgaps by Solution Deposition Route. <i>International Journal of Photoenergy</i> , 2019, 2019, 1-7.	2.5	5
27	Effect of Titanium Dioxide Nanoparticles on Mechanical and Thermal Properties of Poly(Lactic Acid) and Poly(Butylene Succinate) Blends. <i>Advances in Science and Technology</i> , 0, , .	0.2	4
28	Production of graphitic carbon-based nanocomposites from K ₂ CO ₃ -activated coconut shells as counter electrodes for dye-sensitized solar-cell applications. <i>Journal of the Korean Physical Society</i> , 2016, 68, 317-322.	0.7	4
29	Development of Transparent Electrodes Using Graphene Nano-Ink and Post-Consumer PET Bottles for Electrochromic Application. <i>Key Engineering Materials</i> , 2017, 744, 463-467.	0.4	4
30	Effects of Carbonization Temperature and Nanoporous Silica Templating on the Synthesis of Porous Carbon from Commercial Sugar. <i>Advanced Materials Research</i> , 0, 650, 113-118.	0.3	3
31	The Enhancement of Photoanode Efficiency in Dye-Sensitized Solar Cells with TiO ₂ /Graphene Nanocomposite. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 7702-7706.	0.9	3
32	Preparation of Luminescent Glass Aggregates from Soda-Lime Waste Glass. <i>International Journal of Photoenergy</i> , 2021, 2021, 1-6.	2.5	3
33	Layer Transfer of SOI Structures Using a Pre-Stressed Bonding Layer. <i>AIP Conference Proceedings</i> , 2006, , .	0.4	2
34	The new green catalysts derived from waste razor and surf clam shells for biodiesel production in a continuous reactor. <i>Green Processing and Synthesis</i> , 2015, 4, .	3.4	2
35	Application of bioplastics and thermal reduced graphene oxide in electrochromic devices. <i>Materials Today: Proceedings</i> , 2018, 5, 14868-14873.	1.8	2
36	Si and SiO ₂ layer transfer induced by mechanical residual stress. <i>Applied Physics Letters</i> , 2006, 88, 132103.	3.3	1

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37	Effect of TiO ₂ Nanoparticles on Tensile and Photodegradation Behavior of Biopolymer Films Based on Poly(Butylene Succinate). <i>Applied Mechanics and Materials</i> , 2013, 376, 89-92.	0.2	1
38	Utilization of Waste Enamel Venus Shell as Friendly Environmental Catalyst for Synthesis of Biodiesel. <i>Key Engineering Materials</i> , 0, 659, 237-241.	0.4	1
39	Preparation of KI-Impregnated Razor Clam Shell as a Catalyst and its Application in Biodiesel Production from <i>Jatropha curcas</i> Oil. <i>Key Engineering Materials</i> , 0, 744, 506-510.	0.4	1
40	The Fabrication of Graphene-Reinforced Aluminum Composites by Powder Metallurgy and Uniaxial Pressing. <i>Key Engineering Materials</i> , 0, 780, 10-14.	0.4	1
41	The Application of Modified Marlstones in Biofuel Technology. <i>Materials Science Forum</i> , 0, 926, 101-106.	0.3	1
42	Synthesis of Anatase TiO ₂ Nanoparticles by Template Sol-Gel Method and Its Application in Photocatalytic Degradation of Organic Pollutants. <i>Advanced Science Letters</i> , 2013, 19, 2919-2922.	0.2	1
43	Photodegradation and Thermal Properties of Bionanocomposite Films Based on Polylactide and Functionalized Titanium Dioxide. <i>Advanced Science Letters</i> , 2013, 19, 3272-3274.	0.2	1
44	Production of Fatty Acid Methyl Ester by Esterification of Waste Frying Oil with Methanol Using Acidified Silica as Heterogeneous Catalyst. <i>Journal of Biobased Materials and Bioenergy</i> , 2013, 7, 229-232.	0.3	1
45	Recent progress of heterogeneous integration for semiconductor materials and microsystems. , 2006, , .		0
46	EFFECTS OF EXCESSIVE REACTANTS ON THE PROPERTIES OF CADMIUM SULFIDE THIN FILMS PREPARED BY CHEMICAL BATH DEPOSITION. <i>International Journal of Nanoscience</i> , 2008, 07, 279-282.	0.7	0
47	Synthesis of Anatase-Based Titania Nanostructures Using Extreme Hydrothermal Conditions. <i>Advanced Materials Research</i> , 2012, 463-464, 1493-1496.	0.3	0
48	Sol-Gel Derived Mesoporous Silica Nanoparticles under Base Catalysis for Uses as Anti-Reflective Coating Layers. <i>Advanced Materials Research</i> , 2013, 650, 108-112.	0.3	0
49	Surface Modification and Characterization of Photodegradable Polystyrene-TiO ₂ Nanocomposites. <i>Applied Mechanics and Materials</i> , 2013, 372, 128-131.	0.2	0
50	The Improvement in Mechanical and Thermal Properties of Biodegradable Poly(Butylene Succinate) (PBS) Nanocomposites with Low Loadings of Graphene Oxide (XGO). <i>Materials Science Forum</i> , 0, 872, 235-241.	0.3	0
51	The Reinforcement of Graphene Produced by Kitchen Blender in Cement Mortar. <i>Key Engineering Materials</i> , 2017, 744, 77-82.	0.4	0
52	Photocatalytic Application of Graphene-Based TiO ₂ Nanocomposite. <i>Solid State Phenomena</i> , 0, 266, 79-83.	0.3	0
53	The Fabrication of Titanium Dioxide-Tin Oxide/Reduced Graphene Oxide Photoanodes for Dye-Sensitized Solar Cells. <i>Key Engineering Materials</i> , 0, 780, 32-36.	0.4	0
54	The Fabrication of Multicolor Electrochromic Device Based on RGO/BOPP Using Ag Nanoparticles. <i>Materials Science Forum</i> , 0, 926, 79-84.	0.3	0

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55	Effects of Mixed Halide Ions Incorporation on $\text{CH}_3\text{NH}_3\text{Pb}(\text{I},\text{Br})_{3-x}(\text{SCN})_x$ Perovskite Films via Solution Deposition Route. <i>Key Engineering Materials</i> , 2019, 821, 395-400.	0.4	0
56	Green synthesis of reduced graphene oxide using pomelo peel and its application in electrochromic device. <i>AIP Conference Proceedings</i> , 2021, , .	0.4	0
57	Mechanical and Thermal Properties of Polylactide Biocomposite Reinforced with Surface Modified Coir Fiber. <i>Journal of Biobased Materials and Bioenergy</i> , 2012, 6, 617-621.	0.3	0
58	Utilization of Biodiesel Wastes as a Bioresource for the Preparation of Activated Carbon. <i>International Journal of Applied Physics and Mathematics</i> , 2013, , 173-177.	0.3	0
59	Platinum-Free Counter Electrodes Comprised of Polypyrrole-Graphene Composite. <i>Nanoscience and Nanotechnology Letters</i> , 2018, 10, 717-721.	0.4	0
60	The preparation of luminescent and reversible thermochromic Mn-doped Ca-Zn-Al-O inorganic materials. <i>Journal of Asian Ceramic Societies</i> , 0, , 1-7.	2.3	0