

Rosiyah Yahya

List of Publications by Year in descending order

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115
papers

2,533
citations

279701

23
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233338

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119
all docs

119
docs citations

119
times ranked

3324
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic rheological properties of spotted mangrove/high-density polyethylene composites. <i>Journal of Thermoplastic Composite Materials</i> , 2021, 34, 1273-1285.	2.6	3
2	Impact of water saturation on the tensile and thermal properties of heat-treated mangrove/high-density polyethylene composites. <i>Journal of Thermoplastic Composite Materials</i> , 2021, 34, 508-522.	2.6	6
3	Effects of wood flour content and heat treatment on the dynamic mechanical and impact properties of LDPE/red balau (<i>Shorea Dipterocarpaceae</i>) composites. <i>Polymer Bulletin</i> , 2021, 78, 5181-5203.	1.7	2
4	Phytosynthesis of biohybrid nano-silver anchors enhanced size dependent photocatalytic, antibacterial, anticancer properties and cytocompatibility. <i>Process Biochemistry</i> , 2021, 101, 59-71.	1.8	22
5	Facile In-Situ Fabrication of a Ternary ZnO/TiO ₂ /Ag Nanocomposite for Enhanced Bactericidal and Biocompatibility Properties. <i>Antibiotics</i> , 2021, 10, 86.	1.5	7
6	Dual Microcapsulation of an Environmentally Friendly Based Reactive Multifunctional Acrylated Epoxy Resin and Thiol by Internal Phase Separation Technique for Self-Healing Applications. <i>Journal of Polymers and the Environment</i> , 2021, 29, 2901-2915.	2.4	4
7	Ionic liquid infused starch-cellulose derivative based quasi-solid dye-sensitized solar cell: exploiting the rheological properties of natural polymers. <i>Cellulose</i> , 2021, 28, 5545.	2.4	9
8	Transformation of Oil Palm Waste-Derived Cellulose into Solid Polymer Electrolytes: Investigating the Crucial Role of Plasticizers. <i>Polymers</i> , 2021, 13, 3685.	2.0	3
9	Biosynthesis of TiO ₂ nanoparticles and their superior antibacterial effect against human nosocomial bacterial pathogens. <i>Research on Chemical Intermediates</i> , 2020, 46, 1077-1089.	1.3	22
10	Impact and thermal analysis of heat-treated and untreated mangrove wood/high-density polyethylene composites. <i>Polymer Bulletin</i> , 2020, 77, 3813-3829.	1.7	10
11	Surface characterizations of membranes and electrospun chitosan derivatives by optical speckle analysis. <i>Surface and Interface Analysis</i> , 2020, 52, 132-139.	0.8	4
12	The impact of acetylation on physical and electrochemical characteristics of cellulose-based quasi-solid polymer electrolytes. <i>Journal of Polymer Research</i> , 2020, 27, 1.	1.2	5
13	Electrosprayed PMMA microcapsules containing green soybean oil-based acrylated epoxy and a thiol: a novel resin for smart self-healing coatings. <i>Smart Materials and Structures</i> , 2020, 29, 085037.	1.8	10
14	Essential Oils-Loaded Electrospun Biopolymers: A Future Perspective for Active Food Packaging. <i>Advances in Polymer Technology</i> , 2020, 2020, 1-21.	0.8	48
15	Organosoluble Starch-Cellulose Binary Polymer Blend as a Quasi-Solid Electrolyte in a Dye-Sensitized Solar Cell. <i>Polymers</i> , 2020, 12, 516.	2.0	16
16	Improved properties of coating binder from palm oil-based oleic acid by copolymerizing with acrylate monomers. <i>Journal of Coatings Technology Research</i> , 2020, 17, 1013-1022.	1.2	0
17	Organosoluble starch derivative as quasi-solid electrolytes in DSSC: Unravelling the synergy between electrolyte rheology and photovoltaic properties. <i>Solar Energy</i> , 2020, 197, 144-153.	2.9	20
18	Cellulose-based polymer electrolyte derived from waste coconut husk: residual lignin as a natural plasticizer. <i>Journal of Polymer Research</i> , 2020, 27, 1.	1.2	16

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19	Effect of chlorination on the assessment of waste engine oil modified asphalt binders. <i>Petroleum Science and Technology</i> , 2019, 37, 617-628.	0.7	6
20	Novel chitosan derivative based composite scaffolds with enhanced angiogenesis; potential candidates for healing chronic non-healing wounds. <i>Journal of Materials Science: Materials in Medicine</i> , 2019, 30, 72.	1.7	11
21	Valorization of Nutraceutical Industrial Coriander Seed Spent by the Process of Sustainable Adsorption System of Acid Black 52 from Aqueous Solution. <i>International Journal of Environmental Research</i> , 2019, 13, 639-659.	1.1	16
22	Optimizing Treatment of Oil Palm-Empty Fruit Bunch (OP-EFB) Fiber: Chemical, Thermal and Physical Properties of Alkalized Fibers. <i>Fibers and Polymers</i> , 2019, 20, 527-537.	1.1	10
23	COMPARISON BETWEEN RICE HUSK SILICA-FILLED EPOXIDIZED NR CROSS-LINKED WITH FUMARIC ACID AND VULCANIZED WITH SULFUR. <i>Rubber Chemistry and Technology</i> , 2019, 92, 286-297.	0.6	2
24	One-step facile synthesis of poly(<i>N</i> -vinylcarbazole)-polypyrrole/graphene oxide nanocomposites: enhanced solubility, thermal stability and good electrical conductivity. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2019, 56, 384-391.	1.2	2
25	Photodynamic-based therapeutic modalities to fight against cancer – A review from synergistic viewpoint. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 51, 70-82.	1.4	23
26	Influence of wood surface chemistry on the tensile and flexural properties of heat-treated mangrove/high-density polyethylene composites. <i>Polymer Bulletin</i> , 2019, 76, 6467-6486.	1.7	8
27	A Novel Sustainable Design to Develop Polypropylene and Unsaturated Polyester Resin Polymer Composites From Waste of Major Polluting Industries and Investigation on Their Physicomechanical and Wear Properties. <i>Polymer Composites</i> , 2019, 40, 1142-1157.	2.3	18
28	Effect of polar aprotic solvents on hydroxyethyl cellulose-based gel polymer electrolyte. <i>Ionics</i> , 2018, 24, 1955-1964.	1.2	20
29	Conductivity or rheology? Tradeoff for competing properties in the fabrication of a gel polymer electrolyte based on chitosan-barbiturate derivative. <i>Ionics</i> , 2018, 24, 3015-3025.	1.2	5
30	Equilibrium, kinetics, and thermodynamics studies of polypyrrole adsorbent for arsenic ions. <i>Water Science and Technology: Water Supply</i> , 2018, 18, 240-250.	1.0	3
31	Effect of sintering temperature on the microstructures and mechanical properties of sodalite infiltrate all-ceramic material for dental restorations. <i>Advances in Applied Ceramics</i> , 2018, 117, 291-302.	0.6	1
32	Synthesis of a novel organosoluble, biocompatible, and antibacterial chitosan derivative for biomedical applications. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45905.	1.3	21
33	Preparation of one-shot and two-shot method of semi-rigid polyurethane film based on functionalized liquid natural rubber. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	0
34	POLYMER ELECTROLYTE BLENDS OF MONO-CARBOXYLIC ACID-MODIFIED EPOXIDIZED NATURAL RUBBER AND POLY(ETHYLENEOXIDE). <i>Rubber Chemistry and Technology</i> , 2018, 91, 120-135.	0.6	4
35	Improved ionic conductivity in guar gum succinate-based polymer electrolyte membrane. <i>High Performance Polymers</i> , 2018, 30, 993-1001.	0.8	12
36	Physico-thermal properties of kenaf fiber/high-density polyethylene/maleic anhydride compatibilized composites. <i>High Performance Polymers</i> , 2018, 30, 900-910.	0.8	5

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37	The behavior of semi-rigid polyurethane film based on functionalized rubber by one-shot and two-shot method preparation. <i>Journal of Materials Science</i> , 2018, 53, 13280-13290.	1.7	2
38	Curing of epoxy/alkyd blends in self-healing coating. <i>High Performance Polymers</i> , 2018, 30, 1009-1015.	0.8	4
39	Preparation of Liquid Epoxidized Natural Rubber by Oxidative Degradations Using Periodic Acid, Potassium Permanganate and UV-Irradiation. <i>Journal of Polymers and the Environment</i> , 2018, 26, 1378-1392.	2.4	16
40	An Overview of the Development and Strengthening of All-Ceramic Dental Materials. <i>Biomedical and Pharmacology Journal</i> , 2018, 11, 1553-1563.	0.2	5
41	Development of sustainable dye adsorption system using nutraceutical industrial fennel seed spentâ€”studies using Congo red dye. <i>International Journal of Phytoremediation</i> , 2017, 19, 686-694.	1.7	30
42	Photoelectrochemical water splitting over mesoporous CuPbI ₃ films prepared by electrophoretic technique. <i>Monatshefte FÃ¼r Chemie</i> , 2017, 148, 981-989.	0.9	13
43	Nano-scale copper oxidation on leadframe surface. <i>Ionics</i> , 2017, 23, 319-329.	1.2	4
44	Ternary natural deep eutectic solvent (NADES) infused phthaloyl starch as cost efficient quasi-solid gel polymer electrolyte. <i>Carbohydrate Polymers</i> , 2017, 167, 210-218.	5.1	45
45	Influence of sodalite zeolite infiltration on the coefficient of thermal expansion and bond strength of all-ceramic dental prostheses. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 67, 135-143.	1.5	8
46	Coral Reefâ€”Like Carbon Nanomaterial: Synthesis, Characterization and Mechanism Study. <i>ChemistrySelect</i> , 2017, 2, 9792-9796.	0.7	0
47	Synthesis of imine-ester-linked benzothiazole mesogen containing liquid crystalline monomers with different terminal substituents. <i>Soft Materials</i> , 2017, 15, 292-301.	0.8	9
48	Ecoâ€”friendly synthesis of silver nanoparticles and its larvicidal property against fourth instar larvae of <i>Aedes aegypti</i> . <i>IET Nanobiotechnology</i> , 2017, 11, 152-156.	1.9	13
49	Optical and optoelectronic properties of morphology and structure controlled ZnO, CdO and PbO thin films deposited by electric field directed aerosol assisted CVD. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 868-877.	1.1	13
50	The Development of Non-Enzymatic Glucose Biosensors Based on Electrochemically Prepared Polypyrroleâ€”Chitosanâ€”Titanium Dioxide Nanocomposite Films. <i>Nanomaterials</i> , 2017, 7, 129.	1.9	60
51	pH Sensitive Hydrogels in Drug Delivery: Brief History, Properties, Swelling, and Release Mechanism, Material Selection and Applications. <i>Polymers</i> , 2017, 9, 137.	2.0	415
52	Artificial Neural Network and Response Surface Methodology Modeling in Ionic Conductivity Predictions of Phthaloylchitosan-Based Gel Polymer Electrolyte. <i>Polymers</i> , 2016, 8, 22.	2.0	19
53	Optimization of Conditions for Preparation of Activated Carbon from Coconut Husk Fiber Using Responses from Measurements of Surface Area and Adsorption. <i>Asian Journal of Chemistry</i> , 2016, 28, 714-724.	0.1	1
54	Green Synthesis of Silver Nanoparticles Using Apple Extract and Its Antibacterial Properties. <i>Advances in Materials Science and Engineering</i> , 2016, 2016, 1-6.	1.0	103

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55	Microcapsules Filled with a Palm Oil-Based Alkyd as Healing Agent for Epoxy Matrix. <i>Polymers</i> , 2016, 8, 125.	2.0	23
56	COMPARISON OF THREE DIFFERENT DEGRADATION METHODS TO PRODUCE LIQUID EPOXIDIZED NATURAL RUBBER. <i>Rubber Chemistry and Technology</i> , 2016, 89, 177-198.	0.6	22
57	Production of High Purity Amorphous Silica from Rice Husk. <i>Procedia Chemistry</i> , 2016, 19, 189-195.	0.7	342
58	Microcapsules of Poly(urea-formaldehyde) (PUF) Containing alkyd from Palm Oil. <i>Materials Today: Proceedings</i> , 2016, 3, S88-S95.	0.9	24
59	The effect of sodalite zeolite infiltrated material on the fracture toughness, elastic modulus and optical properties of all-ceramic dental prostheses. <i>Ceramics International</i> , 2016, 42, 18737-18746.	2.3	4
60	CROSS-LINKING REACTIONS OF SILICA-FILLED EPOXIDIZED NATURAL RUBBER WITH FUMARIC ACID. <i>Rubber Chemistry and Technology</i> , 2016, 89, 465-476.	0.6	5
61	The effect of terminal substituents on crystal structure, mesophase behaviour and optical property of azo-ester linked materials. <i>Liquid Crystals</i> , 2016, 43, 1862-1874.	0.9	51
62	One-step electrochemical deposition of Polypyrrole-“Chitosan”-Iron oxide nanocomposite films for non-enzymatic glucose biosensor. <i>Materials Letters</i> , 2016, 183, 90-93.	1.3	53
63	In vitro toxicity, apoptosis and antimicrobial effects of phyto-mediated copper oxide nanoparticles. <i>RSC Advances</i> , 2016, 6, 110986-110995.	1.7	72
64	Sodalite zeolite as an alternative all-ceramic infiltrating material for alumina and zirconia toughened alumina frameworks. <i>Ceramics International</i> , 2016, 42, 12253-12261.	2.3	9
65	Photoelectrochemical properties of morphology controlled manganese, iron, nickel and copper oxides nanoball thin films deposited by electric field directed aerosol assisted chemical vapour deposition. <i>Materials Today Communications</i> , 2015, 4, 141-148.	0.9	18
66	DNA Interactions and Cytotoxicity of the Aryls-Vertexed Zinc(II) Thiosemicarbazone Complex. <i>Bulletin of the Chemical Society of Japan</i> , 2015, 88, 1156-1158.	2.0	2
67	Electric-Field Aerosol-Assisted CVD: Synthesis, Characterization, and Properties of Tin Oxide Microballs Prepared from a Single Source Precursor. <i>Chemical Vapor Deposition</i> , 2015, 21, 360-368.	1.4	10
68	Microencapsulation of a Palm Oil-based Alkyd by Amino Resins. <i>Macromolecular Symposia</i> , 2015, 354, 305-313.	0.4	8
69	Synthesis of polymerizable liquid crystalline monomers and their side chain liquid crystalline polymers bearing azo-ester linked benzothiazole mesogen. <i>Colloid and Polymer Science</i> , 2015, 293, 1923-1935.	1.0	30
70	Electrospun Biopolyesters as Drug Screening Platforms for Corneal Keratocytes. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2015, 64, 785-791.	1.8	15
71	Optimizing the usability of unwanted latex yield by in situ depolymerization and functionalization. <i>Industrial Crops and Products</i> , 2015, 74, 773-783.	2.5	8
72	Investigation of Embedded Si/C System Exposed to a Hybrid Reaction of Centrifugal-Assisted Thermite Method. <i>PLoS ONE</i> , 2015, 10, e0144632.	1.1	0

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73	Removal of Methylene Blue from Synthytic Waste Water by Coconut Husk Fiber Based-Activated Carbon. Asian Journal of Chemistry, 2014, 26, 8325-8332.	0.1	2
74	Antibacterial Coating for Elimination of Pseudomonas aeruginosa and Escherichia coli. Journal of Nanomaterials, 2014, 2014, 1-6.	1.5	2
75	Adsorption of methylene blue on activated carbon fiber prepared from coconut husk: isotherm, kinetics and thermodynamics studies. Desalination and Water Treatment, 2014, 52, 6720-6732.	1.0	36
76	Improvement in the mechanical performance and interfacial behavior of kenaf fiber reinforced high density polyethylene composites by the addition of maleic anhydride grafted high density polyethylene. Journal of Polymer Research, 2014, 21, 1.	1.2	40
77	Synthesis, thermal stability, optical and electrochemical properties of halogen terminated azo-benzothiazole mesogen containing smectic side chain liquid crystalline polymers. Journal of Polymer Research, 2014, 21, 1.	1.2	12
78	New terpolymers from n-butyl acrylate, glycidyl methacrylate and tetrahydrofurfuryl acrylate: Synthesis, characterisation and estimation of reactivity ratios. Fibers and Polymers, 2014, 15, 437-445.	1.1	2
79	Naphthalene group containing side chain liquid crystalline polymers and their rheological behavior. Journal of Polymer Research, 2013, 20, 1.	1.2	4
80	Cleaner production through using by-product palm stearin to synthesis alkyd resin for coating applications. Journal of Cleaner Production, 2013, 54, 307-314.	4.6	12
81	Investigating Effect of Conventional and Nano Zinc Pigments on Air-Drying Property of Palm-Stearin-Based Alkyd Resin Paints. International Journal of Polymeric Materials and Polymeric Biomaterials, 2013, 62, 199-202.	1.8	9
82	Perovskite-Structured PbTiO ₃ Thin Films Grown from a Single-Source Precursor. Inorganic Chemistry, 2013, 52, 5624-5626.	1.9	32
83	Improving coating characteristics of palm stearin alkyd by modification with ketone resin. Progress in Organic Coatings, 2013, 76, 712-719.	1.9	14
84	Effect of the lateral substituent on the mesomorphic behavior of side-chain liquid-crystalline polymers containing a Schiff base ester. Journal of Polymer Research, 2013, 20, 1.	1.2	9
85	Improvement of microwave absorption for PANi/HA/TiO ₂ /Fe ₃ O ₄ nanocomposite after chemical treatment. Polymer Composites, 2013, 34, 1186-1194.	2.3	26
86	Synthesis and characterization of azo benzothiazole chromophore based liquid crystal macromers: Effects of substituents on benzothiazole ring and terminal group on mesomorphic, thermal and optical properties. Materials Chemistry and Physics, 2013, 140, 543-552.	2.0	26
87	Thermal, optical and electrochemical study of side chain liquid crystalline polymers bearing azo-benzothiazole chromophore in the mesogen. Journal of Polymer Research, 2013, 20, 1.	1.2	13
88	Recent Approaches to Controlling the Nanoscale Morphology of Polymer-Based Bulk-Heterojunction Solar Cells. Energies, 2013, 6, 5847-5868.	1.6	28
89	Functionalization by Acidic Treatment in the Purification of Multiwalled Carbon Nanotubes (MWCNTs). Advanced Materials Research, 2013, 685, 155-158.	0.3	0
90	A Comparative Investigation on Adsorption Performances of Activated Carbon Prepared from Coconut Husk Fiber and Commercial Activated Carbon for Acid Red 27 Dye. Asian Journal of Chemistry, 2013, 25, 9582-9590.	0.1	15

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91	Isotherms, Kinetics and Thermodynamics of 4-Nitrophenol Adsorption on Fiber-Based Activated Carbon from Coconut Husks Prepared Under Optimized Conditions. <i>Asian Journal of Chemistry</i> , 2013, 25, 9573-9581.	0.1	12
92	Synthesis, Characterization and Charge-Discharge Profile of $\text{LiMn}_{0.3}\text{Co}_{0.3}\text{Ni}_{0.3}\text{Fe}_{0.1}\text{O}_2$ Prepared via Sol-Gel Method. <i>Advanced Materials Research</i> , 2012, 501, 56-60.	0.3	3
93	Micro-structural, thermal, and mechanical properties of injection-molded glass fiber/nanoclay/polypropylene composites. <i>Journal of Reinforced Plastics and Composites</i> , 2012, 31, 269-281.	1.6	34
94	Moisture absorption effect on thermal, dynamic mechanical and mechanical properties of injection-molded short glass-fiber/polyamide 6,6 composites. <i>Fibers and Polymers</i> , 2012, 13, 899-906.	1.1	42
95	Study of Thermal Decomposition Kinetics of Palm Oleic Acid-Based Alkyds and Effect of Oil Length on Thermal Stability. <i>Journal of Polymers and the Environment</i> , 2012, 20, 507-513.	2.4	9
96	Synthesis and characterization of new copolymers from glycidyl methacrylate and tetrahydrofurfuryl acrylate: Determination of reactivity ratios. <i>Fibers and Polymers</i> , 2012, 13, 555-563.	1.1	7
97	Extrusion and injection-molding of glass fiber/MAPP/polypropylene: effect of coupling agent on DSC, DMA, and mechanical properties. <i>Journal of Reinforced Plastics and Composites</i> , 2011, 30, 1223-1232.	1.6	48
98	Protein-Binding Affinity of Leucaena Condensed Tannins of Differing Molecular Weights. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 10677-10682.	2.4	24
99	Copolymerization of an Unsaturated Oleic Acid Polyester Macromer and Methyl Methacrylate. <i>Journal of the Japan Society of Colour Material</i> , 2011, 84, 235-241.	0.0	0
100	Fast physical drying, high water and salt resistant coatings from non-drying vegetable oil. <i>Progress in Organic Coatings</i> , 2011, 72, 703-708.	1.9	19
101	Palm Oleic Acid Based Alkyds: Effect of the Fatty Acid Content on the Polyesterification Kinetics. <i>Journal of Polymers and the Environment</i> , 2011, 19, 540-545.	2.4	11
102	Effect of methyl methacrylate content on coatings' properties of palm oleic acid-based macromer. <i>Journal of Coatings Technology Research</i> , 2011, 8, 719-725.	1.2	7
103	Effect of acid modification on dyeing properties of Rajshahi silk fabric with different dye classes. <i>Fibers and Polymers</i> , 2011, 12, 642-647.	1.1	7
104	(E,E)-1,2-Bis[3-methoxy-4-(prop-2-yn-1-yloxy)benzylidene]hydrazine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o1659-o1659.	0.2	2
105	(Z,Z)-1,2-Bis[4-(prop-2-yn-1-yloxy)benzylidene]hydrazine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o2900-o2900.	0.2	3
106	Structural Studies of Potassium Hexatitanates Prepared under Hydrothermal and Solid State Conditions. <i>Materials Science Forum</i> , 2006, 517, 222-226.	0.3	10
107	Hydrogenation of natural rubber using nickel 2-ethylhexanoate catalyst in combination with triisobutylaluminum. <i>Journal of Applied Polymer Science</i> , 1996, 59, 63-70.	1.3	19
108	Hydrogenolysis of alkanes. Part 7. Hydrogenolysis of propane and of n-butane over Ir/TiO ₂ and Os/TiO ₂ catalysts. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1991, 87, 775-781.	1.7	13

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109	Studies on ruthenium catalysts. Journal of Molecular Catalysis, 1991, 68, 243-254.	1.2	10
110	Studies on ruthenium catalysts Part 2: Oxides of the first row transition elements as modifiers of a Ru/SiO ₂ catalyst. Journal of Molecular Catalysis, 1991, 69, 75-93.	1.2	13
111	Studies on ruthenium catalysts part 3. Effects of type of support, method of preparation and conditions of use of Ru/TiO ₂ catalysts on their behaviour in n-butane hydrogenolysis. Journal of Molecular Catalysis, 1991, 69, 359-381.	1.2	14
112	Hydrogenolysis of alkanes. Part 5. Effect of metal dispersion in ruthenium/alumina catalysts on the hydrogenolysis of propane and of n-butane. Journal of the Chemical Society, Faraday Transactions, 1990, 86, 2297-2301.	1.7	35
113	LiMn _{0.3} Co _{0.3} Ni _{0.3} Cr _{0.1} O ₂ and LiMn _{0.333} Co _{0.333} Ni _{0.333} O ₂ synthesized via Sol-Gel Method: XRD, SEM and XPS Studies. Advanced Materials Research, 0, 545, 148-152.	0.3	0
114	Methylene blue removal from aqueous solution by adsorption using <i>Jatropha</i> seed husks-activated carbon activated with KOH. Desalination and Water Treatment, 0, , 1-8.	1.0	1
115	Electron Microscopic Investigation on Nanostructure Behaviors of Thermal Oxidation Copper. Key Engineering Materials, 0, 694, 116-119.	0.4	0