Rusli Daik

List of Publications by Year
in descending order

75 papers	2,393 citations	331670 21 h-index	206112 48 g-index
75 all docs	75 docs citations	75 times ranked	3291 citing authors

#	Article	IF	Citations
1	Electrochemical Metallization Process on Screen-Printed Electrode for Creatinine Monitoring Application. IEEE Sensors Journal, 2022, 22, 9268-9275.	4.7	5
2	A Succinct Review on the PVDF/Imidazolium-Based Ionic Liquid Blends and Composites: Preparations, Properties, and Applications. Processes, 2021, 9, 761.	2.8	22
3	Synthesis of a 1,4â€Bis[2â€(5â€thiophenâ€2â€yl)â€1â€benzothiophene]â€2,5â€dioctyloxybenzene Pentamer for Creatinine Detection. Asian Journal of Organic Chemistry, 2021, 10, 2406-2417.	2.7	5
4	l-Ascorbic Acid and Thymoquinone Dual-Loaded Palmitoyl-Chitosan Nanoparticles: Improved Preparation Method, Encapsulation and Release Efficiency. Processes, 2020, 8, 1040.	2.8	7
5	Epoxidised natural rubber (ENR)/polyvinyl chloride (PVC)/silica (SiO₂) membrane for treating palm oil mill effluents (POME). Plastics, Rubber and Composites, 2020, 49, 134-140.	2.0	4
6	Mechanical and Thermal Properties of Nylon-6/LNR/MMT Nanocomposites Prepared Through Emulsion Dispersion Technique. Journal of Advanced Research in Fluid Mechanics and Thermal Sciences, 2020, 73, 1-12.	0.6	4
7	Synthesis and Characterization of Star-Shaped (PCL-B-PEG) as Potential Electrospun Microfibers. Sains Malaysiana, 2019, 48, 2265-2275.	0.5	5
8	The Synthesis and Characterizations of Porous Thioamide-Sulfonated-Modified Poly(acrylonitrile-co-divinylbenzene-80) as a Potential Sorbent to Capture Polar Analytes. Science of Advanced Materials, 2019, 11, 1207-1222.	0.7	0
9	Synthesis of poly(acrylonitrileâ€coâ€divinylbenzeneâ€coâ€vinylbenzyl chloride)â€derived hypercrosslinked polymer microspheres and a preliminary evaluation of their potential for the solidâ€phase capture of pharmaceuticals. Journal of Applied Polymer Science, 2018, 135, 45677.	2.6	13
10	The architecture of the electron transport layer for a perovskite solar cell. Journal of Materials Chemistry C, 2018, 6, 682-712.	5.5	172
11	Enzymatic Synthesis of Biodegradable Polyesters using Succinic Acid Monomer Derived from Cellulose of Oil Palm Empty Fruit Bunch. Journal of Wood Chemistry and Technology, 2018, 38, 445-459.	1.7	5
12	Synthesis and characterization of poly (benzyl trimethyl ammonium chloride) ionic polymer. AIP Conference Proceedings, 2018, , .	0.4	3
13	Influence of Poly (Ethylene Glycol) on the Characteristics of Î³ Radiation-Crosslinked Poly (Vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.5	13
14	Isotherm Studies of Pyrogallol-imprinted Polymers via Precipitation Polymerization. International Journal of Technology, 2017, 8, 37.	0.8	1
15	Thermal and mechanical properties of gamma-irradiated prevulcanized natural rubber latex/low nitrosamines latex blends. Radiation Effects and Defects in Solids, 2016, 171, 1006-1015.	1.2	10
16	Influence of thermal annealing on a capacitive humidity sensor based on newly synthesized macroporous PBObzT2. Sensors and Actuators B: Chemical, 2016, 235, 146-153.	7.8	37
17	A review of organic small molecule-based hole-transporting materials for meso-structured organicâ€“inorganic perovskite solar cells. Journal of Materials Chemistry A, 2016, 4, 15788-15822.	10.3	150
18	Synthesis and characterization of 2,2â€²-bithiophene end-capped dihexyloxy phenylene pentamer and its application in a solution-processed organic ultraviolet photodetector. RSC Advances, 2016, 6, 61848-61859.	3.6	8

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19	Effect of radiation on properties of ENR/PVC/SiO2 membrane. AIP Conference Proceedings, 2015, , .	0.4	0
20	A New Approach towards Improving the Specific Energy and Specific Power of a Carbon-Based Supercapacitor using Platinum-Nanoparticles on Etched Stainless Steel Current Collector. Electrochemistry, 2015, 83, 1053-1060.	1.4	9
21	Characterization of cellulose extracted from oil palm empty fruit bunch. AIP Conference Proceedings, 2015, , .	0.4	5
22	Properties of radiation-synthesized polyvinylpyrrolidone/chitosan hydrogel blends. AIP Conference Proceedings, 2015, , .	0.4	2
23	Effect of irradiation on the prevulcanized latex/low nitrosamines latex blends. AIP Conference Proceedings, 2015, , .	0.4	0
24	Thermally Conductive Adhesive from Chemically Modified Cellulose and Nanoparticle of Surfactantâ€Ðoped Polypyrrole. Macromolecular Symposia, 2015, 353, 24-30.	0.7	1
25	Thermal Conductivity and Specific Heat Capacity of Dodecylbenzenesulfonic Acid-Doped Polyaniline Particlesâ€"Water Based Nanofluid. Polymers, 2015, 7, 1221-1231.	4.5	32
26	Preparation of acrylonitrile/acrylamide copolymer beads via a redox method and their adsorption properties after chemical modification. E-Polymers, 2015, 15, 45-54.	3.0	13
27	Compatibilization of HDPE/agar biocomposites with eutectic-based ionic liquid containing surfactant. Journal of Reinforced Plastics and Composites, 2014, 33, 440-453.	3.1	20
28	Functionalization of Liquid Natural Rubber via Oxidative Degradation of Natural Rubber. Polymers, 2014, 6, 2928-2941.	4.5	49
29	Synthesis and Thermal Properties of Acrylonitrile/Butyl Acrylate/Fumaronitrile and Acrylonitrile/Ethyl Hexyl Acrylate/Fumaronitrile Terpolymers as a Potential Precursor for Carbon Fiber. Materials, 2014, 7, 6207-6223.	2.9	17
30	Cationic quaternization of cellulose with methacryloyloxy ethyl trimethyl ammonium chloride via ATRP method. AIP Conference Proceedings, 2014, , .	0.4	6
31	Thermally conductive of nanofluid from surfactant doped polyaniline nanoparticle and deep eutectic ionic liquid. AIP Conference Proceedings, 2014, , .	0.4	7
32	Synthesis, structure and theoretical investigation into a homoleptic tris(dithiolene) tungsten. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 120, 208-215.	3.9	4
33	Nutritional study of Kapparazii powderTM as a food ingredient. Journal of Applied Phycology, 2014, 26, 1049-1055.	2.8	10
34	Doping optimization of polypyrrole with toluenesulfonic acid using Box-Behnken design. , 2013, , .		1
35	Production of succinic acid from oil palm empty fruit bunch cellulose using Actinobacillus succinogenes. , 2013, , .		9
36	Utilization of an Ionic Liquid/Urea Mixture as a Physical Coupling Agent for Agarose/Talc Composite Films. Materials, 2013, 6, 682-698.	2.9	28

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37	Nanocomposites of cellulose-based adhesive and toluenesulfonic acid-doped polypyrrole prepared via colloidal dispersion. Journal of Reinforced Plastics and Composites, 2013, 32, 1553-1560.	3.1	4
38	Electrically Conductive Polystyrene/Polypyrrole Nanocomposites Prepared via Emulsion Polymerization. Polymer-Plastics Technology and Engineering, 2013, 52, 478-484.	1.9	7
39	The Synthesis of a Macro-initiator from Cellulose in a Zinc-Based Ionic Liquid. BioResources, 2013, 9, .	1.0	10
40	Characterization and Thermal Decomposition Kinetics of Kapok (Ceiba pentandra L.)â€“Based Cellulose. BioResources, 2013, 9, .	1.0	24
41	Application of Box-Behnken Design in Optimization of Glucose Production from Oil Palm Empty Fruit Bunch Cellulose. International Journal of Polymer Science, 2013, 2013, 1-8.	2.7	35
42	2,2â€²-[2,5-Bis(hexyloxy)-1,4-phenylene]dithiophene. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o1976-o1976.	0.2	1
43	1,4-Dibromo-2,5-dibutoxybenzene. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o2683-o2683.	0.2	1
44	Studentsâ€™ Understanding of Statistical Analysis in Analytical Chemistry. Procedia, Social and Behavioral Sciences, 2012, 59, 138-143.	0.5	1
45	Lichens in the Environment as a Laboratory for Environmental and Science Education. Procedia, Social and Behavioral Sciences, 2012, 59, 627-634.	0.5	3
46	Chemistry Outreach Program and its Impact on Secondary School Students. Procedia, Social and Behavioral Sciences, 2012, 59, 692-696.	0.5	3
47	PLASTICIZING EFFECT OF CHOLINE CHLORIDE/UREA EUTECTIC-BASED IONIC LIQUID ON PHYSICOCHEMICAL PROPERTIES OF AGAROSE FILMS. BioResources, 2012, 7, .	1.0	34
48	Synthesis of polypyrrole nanoparticles in natural rubberâ€“polystyrene blend via emulsion polymerization. Journal of Applied Polymer Science, 2012, 123, 2115-2121.	2.6	7
49	DGEBAâ€grafted polyaniline: Synthesis, characterization and thermal properties. Journal of Applied Polymer Science, 2011, 121, 49-58.	2.6	10
50	3,5-Dibromo-2-[2,5-dibutoxy-4-(3,5-dibromothiophen-2-yl)phenyl]thiophene. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o3183-o3183.	0.2	0
51	Stability of optical and electroluminescence properties of a semiconducting polymer over a decade. Organic Electronics, 2010, 11, 1445-1448.	2.6	4
52	White luminescence from single-layer devices of nonresonant polymer blends. Applied Physics Letters, 2010, 96, 213301.	3.3	9
53	Globally Harmonized System: A study on understanding and attitude towards chemical labeling amongst students of secondary school. , 2010, , .		3
54	Nylon-6/liquid natural rubber blends prepared via emulsion dispersion. Journal of Polymer Research, 2009, 16, 381-387.	2.4	25

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55	The effect of alkali treatment and filler size on the properties of sawdust/UPR composites based on recycled PET wastes. Journal of Applied Polymer Science, 2008, 109, 3651-3658.	2.6	34
56	Control of luminescence in conjugated polymers through control of chain microstructure. Journal of Materials Chemistry, 2007, 17, 907-912.	6.7	13
57	The effect of polymers and surfactants on the pour point of palm oil methyl esters. European Journal of Lipid Science and Technology, 2007, 109, 440-444.	1.5	41
58	Redox copolymerization of acrylonitrile with fumaronitrile as a precursor for carbon fibre. Journal of Polymer Research, 2007, 14, 379-385.	2.4	17
59	Poly(4,4â€²-diphenylene diphenylvinylene) as a non-magnetic microwave absorbing conjugated polymer. Thin Solid Films, 2005, 477, 125-130.	1.8	45
60	Microwave properties of poly(4,4â€²-diphenylene diphenylvinylene). Polymer Testing, 2004, 23, 275-279.	4.8	20
61	Investigation of heating effects in near-field experiments with luminescent organic semiconductors. Synthetic Metals, 2004, 147, 165-169.	3.9	5
62	The potential application of poly(1,4-phenylene diphenylvinylene), p-PDV for oxygen detection based on fluorescence quenching. Sensors and Actuators B: Chemical, 2003, 96, 537-540.	7.8	3
63	Surface and bulk phenomena in conjugated polymers devices. Synthetic Metals, 2000, 109, 7-11.	3.9	26
64	Synthesis and properties of poly(arylene vinylene)s with controlled structures. Optical Materials, 1999, 12, 315-319.	3.6	15
65	Enhanced photostability of poly(1,3-phenylene diphenylvinylene)-derivatives by diphenyl-substitution. Synthetic Metals, 1999, 100, 113-122.	3.9	26
66	Characterisation of the properties of surface-treated indium-tin oxide thin films. Synthetic Metals, 1999, 101, 111-112.	3.9	58
67	Electroluminescence lifetime and efficiency of polymer LEDs with surface-treated anodes. Synthetic Metals, 1999, 102, 1065-1066.	3.9	21
68	Built-in field electroabsorption spectroscopy of polymer light-emitting diodes incorporating a doped poly(3,4-ethylene dioxythiophene) hole injection layer. Applied Physics Letters, 1999, 75, 1679-1681.	3.3	492
69	Precision and control in polymer synthesis why it's important and some recent examples of how to do it. Macromolecular Symposia, 1999, 143, 81-93.	0.7	5
70	The effects of phenyl-di-substitution of PPV on its photophysical and photostability properties. Optical Materials, 1998, 9, 145-149.	3.6	10
71	Stereochemical outcome of McMurry coupling. New Journal of Chemistry, 1998, 22, 1047-1049.	2.8	24
72	Indiumâ€“tin oxide treatments for single- and double-layer polymeric light-emitting diodes: The relation between the anode physical, chemical, and morphological properties and the device performance. Journal of Applied Physics, 1998, 84, 6859-6870.	2.5	599

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73	Resonant and nonresonant x-ray scattering spectra of some poly(phenylenevinylene)s. Journal of Chemical Physics, 1998, 108, 5990-5996.	3.0	29
74	Efficient green light emitting diodes from a phenylated derivative of poly(p-Phenylene-Vinylene). Synthetic Metals, 1997, 84, 643-644.	3.9	6
75	Efficient green lightâ€emitting diodes from a phenylated derivative of poly(pâ€phenyleneâ€“vinylene). Applied Physics Letters, 1996, 69, 3794-3796.	3.3	46