

Rusli Daik

List of Publications by Year in descending order

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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	Indium-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. <i>Journal of Applied Physics</i> , 1998, 84, 6859-6870.	2.5	599
2	Built-in field electroabsorption spectroscopy of polymer light-emitting diodes incorporating a doped poly(3,4-ethylene dioxythiophene) hole injection layer. <i>Applied Physics Letters</i> , 1999, 75, 1679-1681.	3.3	492
3	The architecture of the electron transport layer for a perovskite solar cell. <i>Journal of Materials Chemistry C</i> , 2018, 6, 682-712.	5.5	172
4	A review of organic small molecule-based hole-transporting materials for meso-structured organic-inorganic perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 15788-15822.	10.3	150
5	Characterisation of the properties of surface-treated indium-tin oxide thin films. <i>Synthetic Metals</i> , 1999, 101, 111-112.	3.9	58
6	Functionalization of Liquid Natural Rubber via Oxidative Degradation of Natural Rubber. <i>Polymers</i> , 2014, 6, 2928-2941.	4.5	49
7	Efficient green light-emitting diodes from a phenylated derivative of poly(p-phenylene-vinylene). <i>Applied Physics Letters</i> , 1996, 69, 3794-3796.	3.3	46
8	Poly(4,4'-diphenylene diphenylvinylene) as a non-magnetic microwave absorbing conjugated polymer. <i>Thin Solid Films</i> , 2005, 477, 125-130.	1.8	45
9	The effect of polymers and surfactants on the pour point of palm oil methyl esters. <i>European Journal of Lipid Science and Technology</i> , 2007, 109, 440-444.	1.5	41
10	Influence of thermal annealing on a capacitive humidity sensor based on newly synthesized macroporous PBObzT2. <i>Sensors and Actuators B: Chemical</i> , 2016, 235, 146-153.	7.8	37
11	Application of Box-Behnken Design in Optimization of Glucose Production from Oil Palm Empty Fruit Bunch Cellulose. <i>International Journal of Polymer Science</i> , 2013, 2013, 1-8.	2.7	35
12	The effect of alkali treatment and filler size on the properties of sawdust/UIPR composites based on recycled PET wastes. <i>Journal of Applied Polymer Science</i> , 2008, 109, 3651-3658.	2.6	34
13	PLASTICIZING EFFECT OF CHOLINE CHLORIDE/UREA EUTECTIC-BASED IONIC LIQUID ON PHYSICOCHEMICAL PROPERTIES OF AGAROSE FILMS. <i>BioResources</i> , 2012, 7, .	1.0	34
14	Thermal Conductivity and Specific Heat Capacity of Dodecylbenzenesulfonic Acid-Doped Polyaniline Particles-Water Based Nanofluid. <i>Polymers</i> , 2015, 7, 1221-1231.	4.5	32
15	Resonant and nonresonant x-ray scattering spectra of some poly(phenylenevinylene)s. <i>Journal of Chemical Physics</i> , 1998, 108, 5990-5996.	3.0	29
16	Utilization of an Ionic Liquid/Urea Mixture as a Physical Coupling Agent for Agarose/Talc Composite Films. <i>Materials</i> , 2013, 6, 682-698.	2.9	28
17	Enhanced photostability of poly(1,3-phenylene diphenylvinylene)-derivatives by diphenyl-substitution. <i>Synthetic Metals</i> , 1999, 100, 113-122.	3.9	26
18	Surface and bulk phenomena in conjugated polymers devices. <i>Synthetic Metals</i> , 2000, 109, 7-11.	3.9	26

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19	Nylon-6/liquid natural rubber blends prepared via emulsion dispersion. Journal of Polymer Research, 2009, 16, 381-387.	2.4	25
20	Stereochemical outcome of McMurry coupling. New Journal of Chemistry, 1998, 22, 1047-1049.	2.8	24
21	Characterization and Thermal Decomposition Kinetics of Kapok (Ceiba pentandra L.)-Based Cellulose. BioResources, 2013, 9, .	1.0	24
22	A Succinct Review on the PVDF/Imidazolium-Based Ionic Liquid Blends and Composites: Preparations, Properties, and Applications. Processes, 2021, 9, 761.	2.8	22
23	Electroluminescence lifetime and efficiency of polymer LEDs with surface-treated anodes. Synthetic Metals, 1999, 102, 1065-1066.	3.9	21
24	Microwave properties of poly(4,4'-diphenylene diphenylvinylene). Polymer Testing, 2004, 23, 275-279.	4.8	20
25	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
26	Redox copolymerization of acrylonitrile with fumaronitrile as a precursor for carbon fibre. Journal of Polymer Research, 2007, 14, 379-385.	2.4	17
27	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
28	Synthesis and properties of poly(arylene vinylene)s with controlled structures. Optical Materials, 1999, 12, 315-319.	3.6	15
29	Control of luminescence in conjugated polymers through control of chain microstructure. Journal of Materials Chemistry, 2007, 17, 907-912.	6.7	13
30	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
31	Synthesis of poly(acrylonitrile-co-divinylbenzene-co-vinylbenzyl chloride)-derived hypercrosslinked polymer microspheres and a preliminary evaluation of their potential for the solid-phase capture of pharmaceuticals. Journal of Applied Polymer Science, 2018, 135, 45677.	2.6	13
32	Influence of Poly (Ethylene Glycol) on the Characteristics of I^{137} Radiation-Crosslinked Poly (Vinyl Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22	0.5	13
33	The effects of phenyl-di-substitution of PPV on its photophysical and photostability properties. Optical Materials, 1998, 9, 145-149.	3.6	10
34	DGEBA-grafted polyaniline: Synthesis, characterization and thermal properties. Journal of Applied Polymer Science, 2011, 121, 49-58.	2.6	10
35	The Synthesis of a Macro-initiator from Cellulose in a Zinc-Based Ionic Liquid. BioResources, 2013, 9, .	1.0	10
36	Nutritional study of Kapparazii powder TM as a food ingredient. Journal of Applied Phycology, 2014, 26, 1049-1055.	2.8	10

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37	Thermal and mechanical properties of gamma-irradiated prevulcanized natural rubber latex/low nitrosamines latex blends. <i>Radiation Effects and Defects in Solids</i> , 2016, 171, 1006-1015.	1.2	10
38	White luminescence from single-layer devices of nonresonant polymer blends. <i>Applied Physics Letters</i> , 2010, 96, 213301.	3.3	9
39	Production of succinic acid from oil palm empty fruit bunch cellulose using <i>Actinobacillus succinogenes</i> . , 2013, , .		9
40	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. <i>Electrochemistry</i> , 2015, 83, 1053-1060.	1.4	9
41	Synthesis and characterization of 2,2'-bithiophene end-capped dihexyloxy phenylene pentamer and its application in a solution-processed organic ultraviolet photodetector. <i>RSC Advances</i> , 2016, 6, 61848-61859.	3.6	8
42	Synthesis of polypyrrole nanoparticles in natural rubber-polystyrene blend via emulsion polymerization. <i>Journal of Applied Polymer Science</i> , 2012, 123, 2115-2121.	2.6	7
43	Electrically Conductive Polystyrene/Polypyrrole Nanocomposites Prepared via Emulsion Polymerization. <i>Polymer-Plastics Technology and Engineering</i> , 2013, 52, 478-484.	1.9	7
44	Thermally conductive of nanofluid from surfactant doped polyaniline nanoparticle and deep eutectic ionic liquid. <i>AIP Conference Proceedings</i> , 2014, , .	0.4	7
45	L-Ascorbic Acid and Thymoquinone Dual-Loaded Palmitoyl-Chitosan Nanoparticles: Improved Preparation Method, Encapsulation and Release Efficiency. <i>Processes</i> , 2020, 8, 1040.	2.8	7
46	Efficient green light emitting diodes from a phenylated derivative of poly(p-Phenylene-Vinylene). <i>Synthetic Metals</i> , 1997, 84, 643-644.	3.9	6
47	Cationic quaternization of cellulose with methacryloyloxy ethyl trimethyl ammonium chloride via ATRP method. <i>AIP Conference Proceedings</i> , 2014, , .	0.4	6
48	Precision and control in polymer synthesis why it's important and some recent examples of how to do it. <i>Macromolecular Symposia</i> , 1999, 143, 81-93.	0.7	5
49	Investigation of heating effects in near-field experiments with luminescent organic semiconductors. <i>Synthetic Metals</i> , 2004, 147, 165-169.	3.9	5
50	Characterization of cellulose extracted from oil palm empty fruit bunch. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	5
51	Enzymatic Synthesis of Biodegradable Polyesters using Succinic Acid Monomer Derived from Cellulose of Oil Palm Empty Fruit Bunch. <i>Journal of Wood Chemistry and Technology</i> , 2018, 38, 445-459.	1.7	5
52	Synthesis of a 1,4-Bis[2-(5-thiophen-2-yl)-1-benzothiophenyl]-2,5-diethoxybenzene Pentamer for Creatinine Detection. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 2406-2417.	2.7	5
53	Synthesis and Characterization of Star-Shaped (PCL-B-PEG) as Potential Electrospun Microfibers. <i>Sains Malaysiana</i> , 2019, 48, 2265-2275.	0.5	5
54	Electrochemical Metallization Process on Screen-Printed Electrode for Creatinine Monitoring Application. <i>IEEE Sensors Journal</i> , 2022, 22, 9268-9275.	4.7	5

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55	Stability of optical and electroluminescence properties of a semiconducting polymer over a decade. <i>Organic Electronics</i> , 2010, 11, 1445-1448.	2.6	4
56	Nanocomposites of cellulose-based adhesive and toluenesulfonic acid-doped polypyrrole prepared via colloidal dispersion. <i>Journal of Reinforced Plastics and Composites</i> , 2013, 32, 1553-1560.	3.1	4
57	Synthesis, structure and theoretical investigation into a homoleptic tris(dithiolene) tungsten. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 120, 208-215.	3.9	4
58	Epoxidised natural rubber (ENR)/polyvinyl chloride (PVC)/silica (SiO ₂) membrane for treating palm oil mill effluents (POME). <i>Plastics, Rubber and Composites</i> , 2020, 49, 134-140.	2.0	4
59	Mechanical and Thermal Properties of Nylon-6/LNR/MMT Nanocomposites Prepared Through Emulsion Dispersion Technique. <i>Journal of Advanced Research in Fluid Mechanics and Thermal Sciences</i> , 2020, 73, 1-12.	0.6	4
60	The potential application of poly(1,4-phenylene diphenylvinylene), p-PDV for oxygen detection based on fluorescence quenching. <i>Sensors and Actuators B: Chemical</i> , 2003, 96, 537-540.	7.8	3
61	Globally Harmonized System: A study on understanding and attitude towards chemical labeling amongst students of secondary school. , 2010, , .		3
62	Lichens in the Environment as a Laboratory for Environmental and Science Education. <i>Procedia, Social and Behavioral Sciences</i> , 2012, 59, 627-634.	0.5	3
63	Chemistry Outreach Program and its Impact on Secondary School Students. <i>Procedia, Social and Behavioral Sciences</i> , 2012, 59, 692-696.	0.5	3
64	Synthesis and characterization of poly (benzyl trimethyl ammonium chloride) ionic polymer. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	3
65	Properties of radiation-synthesized polyvinylpyrrolidone/chitosan hydrogel blends. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	2
66	2,2-[[2,5-Bis(hexyloxy)-1,4-phenylene]dithiophene. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o1976-o1976.	0.2	1
67	1,4-Dibromo-2,5-dibutoxybenzene. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o2683-o2683.	0.2	1
68	Students'™ Understanding of Statistical Analysis in Analytical Chemistry. <i>Procedia, Social and Behavioral Sciences</i> , 2012, 59, 138-143.	0.5	1
69	Doping optimization of polypyrrole with toluenesulfonic acid using Box-Behnken design. , 2013, , .		1
70	Thermally Conductive Adhesive from Chemically Modified Cellulose and Nanoparticle of Surfactant-€Doped Polypyrrole. <i>Macromolecular Symposia</i> , 2015, 353, 24-30.	0.7	1
71	Isotherm Studies of Pyrogallol-imprinted Polymers via Precipitation Polymerization. <i>International Journal of Technology</i> , 2017, 8, 37.	0.8	1
72	3,5-Dibromo-2-[2,5-dibutoxy-4-(3,5-dibromothiophen-2-yl)phenyl]thiophene. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2011, 67, o3183-o3183.	0.2	0

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73	Effect of radiation on properties of ENR/PVC/SiO ₂ membrane. AIP Conference Proceedings, 2015, , .	0.4	0
74	Effect of irradiation on the prevulcanized latex/low nitrosamines latex blends. AIP Conference Proceedings, 2015, , .	0.4	0
75	The Synthesis and Characterizations of Porous Thioamide-Sulfonated-Modified Poly(acrylonitrile- <i>co</i> -divinylbenzene-80) as a Potential Sorbent to Capture Polar Analytes. Science of Advanced Materials, 2019, 11, 1207-1222.	0.7	0