

# Shella Permatasari Santoso

## List of Publications by Year in descending order

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Version: 2024-02-01

83  
papers

1,573  
citations

361045

20  
h-index

360668

35  
g-index

86  
all docs

86  
docs citations

86  
times ranked

1693  
citing authors

#	ARTICLE	IF	CITATIONS
1	Suppressing photoinduced charge recombination at the BiVO <sub>4</sub>   NiOOH junction by sandwiching an oxygen vacancy layer for efficient photoelectrochemical water oxidation. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 1116-1125.	5.0	19
2	Low-cost structured alginate-immobilized bentonite beads designed for an effective removal of persistent antibiotics from aqueous solution. <i>Environmental Research</i> , 2022, 207, 112162.	3.7	8
3	Highly efficient degradation of organic pollutant mixtures by a Fe(III)-based MOF-catalyzed Fenton-like process in subcritical water. <i>Journal of Molecular Liquids</i> , 2022, 347, 117989.	2.3	6
4	Facile synthesis of superparamagnetic thiamine/Fe <sub>3</sub> O <sub>4</sub> with enhanced adsorptivity toward divalent copper ions. <i>Chemosphere</i> , 2022, 291, 132759.	4.2	3
5	Investigation of the influence of crosslinking activation methods on the physicochemical and Cu(II) adsorption characteristics of cellulose hydrogels. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 106971.	3.3	11
6	Using the response surface methodology to establish the optimal conditions for preserving bananas ( <i>Musa acuminata</i> ) in a pulsed electric field and to decrease browning induced by storage at a low temperature. <i>Food Packaging and Shelf Life</i> , 2022, 31, 100804.	3.3	15
7	Facile Synthesis of Silane-Modified Mixed Metal Oxide as Catalyst in Transesterification Processes. <i>Nanomaterials</i> , 2022, 12, 245.	1.9	4
8	An innovative approach in the synthesis of solid acid catalyst from sugarcane bagasse for the esterification of oleic acid and methanol. <i>Biomass and Bioenergy</i> , 2022, 157, 106351.	2.9	2
9	Studies on the performance of functionalized Fe <sub>3</sub> O <sub>4</sub> as phosphate adsorbent and assessment to its environmental compatibility. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2022, 131, 104162.	2.7	5
10	Cold Plasma-Based Fabrication and Characterization of Active Films Containing Different Types of <i>Myristica fragrans</i> Essential Oil Emulsion. <i>Polymers</i> , 2022, 14, 1618.	2.0	10
11	Effects of pulsed electric field-assisted thawing on the characteristics and quality of Pekin duck meat. <i>Food Chemistry</i> , 2022, 390, 133137.	4.2	25
12	Fabrication of cellulose carbamate hydrogel-dressing with rarasaponin surfactant for enhancing adsorption of silver nanoparticles and antibacterial activity. <i>Materials Science and Engineering C</i> , 2021, 118, 111542.	3.8	28
13	Ecological-safe and low-cost activated-bleaching earth: Preparation, characteristics, bleaching performance, and scale-up production. <i>Journal of Cleaner Production</i> , 2021, 279, 123793.	4.6	16
14	Synthesizing Precursors for Functional Food Structured Lipids from Soybean Oil Deodorized Distillates. <i>Waste and Biomass Valorization</i> , 2021, 12, 3899-3911.	1.8	7
15	Efficient One-Step Conversion of a Low-Grade Vegetable Oil to Biodiesel over a Zinc Carboxylate Metal-Organic Framework. <i>ACS Omega</i> , 2021, 6, 1834-1845.	1.6	18
16	Investigation on Supercritical CO <sub>2</sub> Extraction of Black Nightshade Berries ( <i>Solanum nigrum</i> Linn.). <i>Biointerface Research in Applied Chemistry</i> , 2021, 11, 13502-13515.	1.0	3
17	Effect of cellulose nanocrystal supplementation on the stability of castor oil microemulsion. <i>Journal of Molecular Liquids</i> , 2021, 325, 115181.	2.3	2
18	Cost-effective liquid-junction solar devices with plasma-implanted Ni/TiN/CNF hierarchically structured nanofibers. <i>Journal of Electroanalytical Chemistry</i> , 2021, 887, 115167.	1.9	10

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19	Atmospheric cold plasma-assisted pineapple peel waste hydrolysate detoxification for the production of bacterial cellulose. <i>International Journal of Biological Macromolecules</i> , 2021, 175, 526-534.	3.6	40
20	Iron (II) impregnated double-shelled hollow mesoporous silica as acid-base bifunctional catalyst for the conversion of low-quality oil to methyl esters. <i>Renewable Energy</i> , 2021, 169, 1166-1174.	4.3	13
21	Facile synthesis of zeolite NaX using rice husk ash without pretreatment. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 123, 338-345.	2.7	14
22	Biocomposite hydrogel beads from glutaraldehyde-crosslinked phytochemicals in alginate for effective removal of methylene blue. <i>Journal of Molecular Liquids</i> , 2021, 329, 115579.	2.3	30
23	Effect of Oxidative Stress on Physicochemical Quality of Taiwanese Seagrass ( <i>Caulerpa lentillifera</i> ) with the Application of Alternating Current Electric Field (ACEF) during Post-Harvest Storage Processes, 2021, 9, 1011.	1.3	13
24	One-step synthesis of nitrogen-grafted copper-gallic acid for enhanced methylene blue removal. <i>Scientific Reports</i> , 2021, 11, 12021.	1.6	14
25	Nanocelluloses: Sources, Pretreatment, Isolations, Modification, and Its Application as the Drug Carriers. <i>Polymers</i> , 2021, 13, 2052.	2.0	34
26	Lipid-dense and pre-functionalized post-hydrolysis spent coffee grounds as raw material for the production of fatty acid methyl ester. <i>Energy Conversion and Management</i> , 2021, 240, 114216.	4.4	5
27	Double-shelled hollow mesoporous silica incorporated copper (II) (Cu/DS@HMS@NH <sub>2</sub> ) as a catalyst to promote in-situ esterification/transesterification of low-quality palm oil. <i>International Journal of Energy Research</i> , 2021, 45, 19929.	2.2	0
28	Plasma-implanted Ti-doped hematite photoanodes with enhanced photoelectrochemical water oxidation performance. <i>Journal of Alloys and Compounds</i> , 2021, 870, 159376.	2.8	20
29	Efficient conversion of leather tanning waste to biodiesel using crab shell-based catalyst: WASTE-TO-ENERGY approach. <i>Biomass and Bioenergy</i> , 2021, 151, 106155.	2.9	16
30	The application of the metal organic framework for ion removal in seawater. <i>Journal of Molecular Liquids</i> , 2021, 335, 116135.	2.3	6
31	TiO <sub>2</sub> /guar gum hydrogel composite for adsorption and photodegradation of methylene blue. <i>International Journal of Biological Macromolecules</i> , 2021, 193, 721-733.	3.6	22
32	Effect of Pholiota nameko Polysaccharides Inhibiting Methylglyoxal-Induced Glycation Damage In Vitro. <i>Antioxidants</i> , 2021, 10, 1589.	2.2	4
33	A Review of Gum Hydrocolloid Polyelectrolyte Complexes (PEC) for Biomedical Applications: Their Properties and Drug Delivery Studies. <i>Processes</i> , 2021, 9, 1796.	1.3	11
34	Facile synthesis of hierarchical porous ZIF-8@TiO <sub>2</sub> for simultaneous adsorption and photocatalytic decomposition of crystal violet. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2021, 16, 100598.	1.7	9
35	Recent progress on post-synthetic treatments of photoelectrodes for photoelectrochemical water splitting. <i>Journal of Materials Chemistry A</i> , 2021, 9, 26628-26649.	5.2	14
36	In-situ (trans)esterification of lipid-dense post-hydrolysis rice bran at ambient pressures with low acid loading. <i>Biomass and Bioenergy</i> , 2021, 155, 106300.	2.9	3

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37	Aqueous sorption of tetracycline using rarasaponin-modified nanocrystalline cellulose. <i>Journal of Molecular Liquids</i> , 2020, 301, 112433.	2.3	14
38	Improved solvent economy and rate of rice bran lipid extraction using hydrolyzed rice bran with hexane as solvent. <i>Biomass and Bioenergy</i> , 2020, 142, 105773.	2.9	11
39	Saponin-intercalated organoclays for adsorptive removal of $\beta$ -carotene: Equilibrium, reusability, and phytotoxicity assessment. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 117, 198-208.	2.7	13
40	Aqueous synthesis of highly adsorptive copper-gallic acid metal-organic framework. <i>Scientific Reports</i> , 2020, 10, 19212.	1.6	22
41	Effect of a Nonionic Surfactant on the Pseudoternary Phase Diagram and Stability of Microemulsion. <i>Journal of Chemical &amp; Engineering Data</i> , 2020, 65, 4024-4033.	1.0	4
42	A one-pot synthesis of biodiesel from leather tanning waste using supercritical ethanol: Process optimization. <i>Biomass and Bioenergy</i> , 2020, 142, 105761.	2.9	20
43	Hydrophobic Cetyltrimethylammonium Bromide-Pillared Bentonite as an Effective Palm Oil Bleaching Agent. <i>ACS Omega</i> , 2020, 5, 28844-28855.	1.6	10
44	Utilization of waste capiz shell Based catalyst for the conversion of leather tanning waste into biodiesel. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104012.	3.3	22
45	Studies on the performance of bentonite and its composite as phosphate adsorbent and phosphate supplementation for plant. <i>Journal of Hazardous Materials</i> , 2020, 399, 123130.	6.5	22
46	Feasibility study of nanocrystalline cellulose as adsorbent of steryl glucosides from palm-based biodiesel. <i>Renewable Energy</i> , 2020, 154, 99-106.	4.3	7
47	An iron-carboxylate-based metal-organic framework for Furosemide loading and release. <i>Journal of Materials Science</i> , 2020, 55, 13785-13798.	1.7	11
48	Current progress on the production, modification, and applications of bacterial cellulose. <i>Critical Reviews in Biotechnology</i> , 2020, 40, 397-414.	5.1	132
49	Enhanced production of bacterial cellulose by <i>Komactobacter intermedius</i> using statistical modeling. <i>Cellulose</i> , 2020, 27, 2497-2509.	2.4	30
50	Green Reduction of Graphene Oxide using Kaffir Lime Peel Extract ( <i>Citrus hystrix</i> ) and Its Application as Adsorbent for Methylene Blue. <i>Scientific Reports</i> , 2020, 10, 667.	1.6	54
51	Fenton Reagent for Organic Compound Removal in Wastewater. <i>Journal of the Indonesian Chemical Society</i> , 2020, 3, 1.	0.3	0
52	Protocatechuic acid-metal-nicotine complexation study for chelation of smoking-related poisoning. <i>Journal of Molecular Liquids</i> , 2020, 312, 113428.	2.3	1
53	Citric Acid-crosslinked Cellulosic Hydrogel from Sugarcane Bagasse: Preparation, Characterization, and Adsorption Study. <i>Journal of the Indonesian Chemical Society</i> , 2020, 3, 59.	0.3	3
54	The synthesis of biodiesel using copper based metal-organic framework as a catalyst. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103277.	3.3	41

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55	A facile noncatalytic methyl ester production from waste chicken tallow using single step subcritical methanol: Optimization study. <i>International Journal of Energy Research</i> , 2019, 43, 8852.	2.2	4
56	Nanocrystalline cellulose from waste paper: Adsorbent for azo dyes removal. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2019, 12, 100260.	1.7	18
57	An environment-friendly composite as an adsorbent for removal Cu (II) ions. <i>Environmental Science and Pollution Research</i> , 2019, 26, 22979-22989.	2.7	6
58	Isolation and characterization of starch from <i>Limnophila aromatica</i> . <i>Heliyon</i> , 2019, 5, e01622.	1.4	24
59	The effect of surfactants modification on nanocrystalline cellulose for paclitaxel loading and release study. <i>Journal of Molecular Liquids</i> , 2019, 282, 407-414.	2.3	30
60	Eco-friendly cellulose-bentonite porous composite hydrogels for adsorptive removal of azo dye and soilless culture. <i>Cellulose</i> , 2019, 26, 3339-3358.	2.4	58
61	Hydrothermal Synthesize of HF-Free MIL-100(Fe) for Isoniazid-Drug Delivery. <i>Scientific Reports</i> , 2019, 9, 16907.	1.6	77
62	Highly adsorptive chitosan/saponin-bentonite composite film for removal of methyl orange and Cr(VI). <i>Environmental Science and Pollution Research</i> , 2019, 26, 5020-5037.	2.7	28
63	Complex formation constant of ferric ion with Gly, Pro-Hyp and Gly-Pro-Hyp. <i>RSC Advances</i> , 2018, 8, 27157-27162.	1.7	0
64	Preparation of nanocrystalline cellulose-montmorillonite composite via thermal radiation for liquid-phase adsorption. <i>Journal of Molecular Liquids</i> , 2017, 233, 29-37.	2.3	19
65	Investigation of heavy metal adsorption in binary system by nanocrystalline cellulose-Bentonite nanocomposite: Improvement on extended Langmuir isotherm model. <i>Microporous and Mesoporous Materials</i> , 2017, 246, 166-177.	2.2	117
66	Removal of crystal violet dye by adsorption using bentonite-alginate composite. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 5677-5687.	3.3	166
67	Synthesis, characterization, thermodynamics and biological studies of binary and ternary complexes including some divalent metal ions, 2, 3-dihydroxybenzoic acid and N-acetylcysteine. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 68, 23-30.	2.7	4
68	Solution Equilibrium Study of Divalent Metal Ions with Phenylpropanoid Derivatives and Acetylcysteine Ligands. <i>Chemical and Pharmaceutical Bulletin</i> , 2016, 64, 1560-1569.	0.6	3
69	Complexes of 2,6-dihydroxybenzoic acid with divalent metal ions: Synthesis, crystal structure, spectral studies, and biological activity enhancement. <i>Journal of Molecular Liquids</i> , 2016, 221, 617-623.	2.3	16
70	Complex Formation Study of Binary and Ternary Complexes Including 2,3-Dihydroxybenzoic Acid, N-acetylcysteine and Divalent Metal Ions. <i>Journal of Solution Chemistry</i> , 2016, 45, 518-533.	0.6	6
71	Complex equilibrium study of some hydroxy aromatic ligands with beryllium ion. <i>Journal of Molecular Liquids</i> , 2015, 212, 524-531.	2.3	7
72	Solution equilibria studies of complexes of divalent metal ions with 2-aminophenol and 3,4-dihydroxybenzoic acid. <i>Polyhedron</i> , 2015, 88, 29-39.	1.0	13

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73	Ammonia removal from water using sodium hydroxide modified zeolite mordenite. RSC Advances, 2015, 5, 83689-83699.	1.7	49
74	Equilibrium Study of Complex Formation Among Trivalent Metals, Glycine Peptides and Phenolates in Aqueous Solution. Journal of Solution Chemistry, 2015, 44, 2129-2143.	0.6	2
75	Equilibrium Studies of Complexes between <i>N</i> -Acetylcysteine and Divalent Metal Ions in Aqueous Solutions. Journal of Chemical & Engineering Data, 2014, 59, 1661-1666.	1.0	11
76	Impact of pretreatments on morphology and enzymatic saccharification of shedding bark of Melaleuca leucadendron. Bioresource Technology, 2013, 139, 410-414.	4.8	5
77	Recovery of catechin and epicatechin from sago waste effluent: Study of kinetic and binary adsorption isotherm studies. Chemical Engineering Journal, 2013, 231, 406-413.	6.6	17
78	Current progress in metal-organic frameworks-embedded membranes for water desalination. , 0, 213, 214-228.		5
79	Biodiesel from rice bran lipids: resource assessment and technological review. Biomass Conversion and Biorefinery, 0, , 1.	2.9	0
80	Renewable rarasaponin-bentonite-alginate composite with sponge-like structure and its application for crystal violet removal from aqueous solution. , 0, 160, 354-365.		4
81	Solvent-free synthesis of partial glycerides and structured triglycerides from soybean oil deodorizer distillate: bottom-up approach. Biomass Conversion and Biorefinery, 0, , .	2.9	0
82	Utilization of Nanocrystalline Cellulose for Adsorption of Divalent Cobalt Ions in the Aqueous Phase. Fine Chemical Engineering, 0, , 1-12.	0.0	0
83	Trends on the Development of Hybrid Supercapacitor Electrodes from the Combination of Graphene and Polyaniline. Fine Chemical Engineering, 0, , 47-65.	0.0	3