

# Sylviana Sutanto

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

78  
papers

1,982  
citations

19  
h-index

42  
g-index

81  
ext. papers

2,509  
ext. citations

4.4  
avg, IF

5.1  
L-index

#	Paper	IF	Citations
78	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> , <b>2022</b> , 10, 106971	6.8	0
77	Low-cost structured alginate-immobilized bentonite beads designed for an effective removal of persistent antibiotics from aqueous solution. <i>Environmental Research</i> , <b>2021</b> , 207, 112162	7.9	0
76	TiO/guar gum hydrogel composite for adsorption and photodegradation of methylene blue. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 193, 721-733	7.9	4
75	Statistically Optimum HKUST-1 Synthesized by Room Temperature Coordination Modulation Method for the Adsorption of Crystal Violet Dye. <i>Molecules</i> , <b>2021</b> , 26,	4.8	1
74	A Review of Gum Hydrocolloid Polyelectrolyte Complexes (PEC) for Biomedical Applications: Their Properties and Drug Delivery Studies. <i>Processes</i> , <b>2021</b> , 9, 1796	2.9	2
73	Graphene oxide-carboxymethyl cellulose hydrogel beads for uptake and release study of doxorubicin. <i>Asia-Pacific Journal of Chemical Engineering</i> , <b>2021</b> , 16, e2646	1.3	0
72	Nanocelluloses: Sources, Pretreatment, Isolations, Modification, and Its Application as the Drug Carriers. <i>Polymers</i> , <b>2021</b> , 13,	4.5	9
71	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> , <b>2021</b> , 45, 19929	4.5	
70	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> , <b>2021</b> , 118, 111542	8.3	10
69	Process evaluation of solvent-free lipase-catalyzed esterification schemes in the synthesis of structured triglycerides from oleic and palmitic acids. <i>Asia-Pacific Journal of Chemical Engineering</i> , <b>2021</b> , 16, e2606	1.3	2
68	A Review of Lignocellulosic-Derived Nanoparticles for Drug Delivery Applications: Lignin Nanoparticles, Xylan Nanoparticles, and Cellulose Nanocrystals. <i>Molecules</i> , <b>2021</b> , 26,	4.8	19
67	Efficient One-Step Conversion of a Low-Grade Vegetable Oil to Biodiesel over a Zinc Carboxylate Metal-Organic Framework. <i>ACS Omega</i> , <b>2021</b> , 6, 1834-1845	3.9	4
66	Facile and Green Synthesis of Starfruit-Like ZIF-L, and Its Optimization Study. <i>Molecules</i> , <b>2021</b> , 26,	4.8	4
65	Hydrophobic Cetyltrimethylammonium Bromide-Pillared Bentonite as an Effective Palm Oil Bleaching Agent. <i>ACS Omega</i> , <b>2020</b> , 5, 28844-28855	3.9	5
64	Studies on the performance of bentonite and its composite as phosphate adsorbent and phosphate supplementation for plant. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 399, 123130	12.8	8
63	An iron-carboxylate-based metal-organic framework for Furosemide loading and release. <i>Journal of Materials Science</i> , <b>2020</b> , 55, 13785-13798	4.3	4
62	Current progress on the production, modification, and applications of bacterial cellulose. <i>Critical Reviews in Biotechnology</i> , <b>2020</b> , 40, 397-414	9.4	65

61	Enhanced production of bacterial cellulose by <i>Komactobacter intermedius</i> using statistical modeling. <i>Cellulose</i> , <b>2020</b> , 27, 2497-2509	5.5	19
60	Metal-Organic Frameworks and Their Hybrid Composites for Adsorption of Volatile Organic Compounds <b>2020</b> , 313-355		1
59	Non-catalytic Transesterification of Waste Cooking Oil with High Free Fatty Acids Content Using Subcritical Methanol: Process Optimization and Evaluation. <i>Waste and Biomass Valorization</i> , <b>2020</b> , 11, 5771-5781	3.2	2
58	Synthesis, Characterization, Adsorption Isotherm, and Kinetic Study of Oil Palm Trunk-Derived Activated Carbon for Tannin Removal from Aqueous Solution. <i>ACS Omega</i> , <b>2020</b> , 5, 28673-28683	3.9	8
57	Aqueous synthesis of highly adsorptive copper-gallic acid metal-organic framework. <i>Scientific Reports</i> , <b>2020</b> , 10, 19212	4.9	8
56	Effect of a Nonionic Surfactant on the Pseudoternary Phase Diagram and Stability of Microemulsion. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2020</b> , 65, 4024-4033	2.8	1
55	Hydrophobic Modification of Cellulose Nanocrystals from Bamboo Shoots Using Rarasaponins. <i>ACS Omega</i> , <b>2020</b> , 5, 20967-20975	3.9	11
54	Hydrolyzed rice bran as source of lipids and solid acid catalyst during in situ (trans)esterification. <i>Biofuels</i> , <b>2020</b> , 11, 221-227	2	11
53	An environment-friendly composite as an adsorbent for removal Cu (II) ions. <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 22979-22989	5.1	3
52	Isolation and characterization of starch from. <i>Heliyon</i> , <b>2019</b> , 5, e01622	3.6	10
51	Eco-friendly cellulose-Bentonite porous composite hydrogels for adsorptive removal of azo dye and soilless culture. <i>Cellulose</i> , <b>2019</b> , 26, 3339-3358	5.5	34
50	A facile noncatalytic methyl ester production from waste chicken tallow using single step subcritical methanol: Optimization study. <i>International Journal of Energy Research</i> , <b>2019</b> , 43, 8852	4.5	4
49	Hydrothermal Synthesize of HF-Free MIL-100(Fe) for Isoniazid-Drug Delivery. <i>Scientific Reports</i> , <b>2019</b> , 9, 16907	4.9	34
48	Optimization of cellulose nanocrystals from bamboo shoots using Response Surface Methodology. <i>Heliyon</i> , <b>2019</b> , 5, e02807	3.6	18
47	Highly adsorptive chitosan/saponin-bentonite composite film for removal of methyl orange and Cr(VI). <i>Environmental Science and Pollution Research</i> , <b>2019</b> , 26, 5020-5037	5.1	19
46	Removal of Hazardous Contaminants from Water or Wastewater Using Polymer Nanocomposites Materials <b>2018</b> , 103-139		4
45	<i>Lipomyces starkeyi</i> : Its current status as a potential oil producer. <i>Fuel Processing Technology</i> , <b>2018</b> , 177, 39-55	7.2	29
44	Production of biodiesel from sea mango ( <i>Cerbera odollam</i> ) seed using in situ subcritical methanol-water under a non-catalytic process. <i>International Journal of Industrial Chemistry</i> , <b>2018</b> , 9, 53-59 <sup>3.1</sup>		8

43	Rarasaponin-bentonite-activated biochar from durian shells composite for removal of crystal violet and Cr(VI) from aqueous solution. <i>Environmental Science and Pollution Research</i> , <b>2018</b> , 25, 30680-30695	5.1	11
42	Release of sugar by acid hydrolysis from rice bran for single cell oil production and subsequent in-situ transesterification for biodiesel preparation. <i>Fuel Processing Technology</i> , <b>2017</b> , 167, 281-291	7.2	20
41	Cellulose nanocrystals from passion fruit peels waste as antibiotic drug carrier. <i>Carbohydrate Polymers</i> , <b>2017</b> , 175, 370-376	10.3	48
40	Biocompatibility and drug release behavior of curcumin conjugated gold nanoparticles from aminosilane-functionalized electrospun poly(N-vinyl-2-pyrrolidone) fibers. <i>International Journal of Pharmaceutics</i> , <b>2017</b> , 516, 158-169	6.5	22
39	Maximized Utilization of Raw Rice Bran in Microbial Oils Production and Recovery of Active Compounds: A proof of concept. <i>Waste and Biomass Valorization</i> , <b>2017</b> , 8, 1067-1080	3.2	12
38	Adsorption and photocatalytic performance of bentonite-titanium dioxide composites for methylene blue and rhodamine B decoloration. <i>Heliyon</i> , <b>2017</b> , 3, e00488	3.6	51
37	Uncatalyzed direct biodiesel production from wet microalgae under subcritical conditions <b>2017</b> ,		1
36	Levulinic acid from corncob by subcritical water process. <i>International Journal of Industrial Chemistry</i> , <b>2016</b> , 7, 401-409	3.1	9
35	Production of glutinous rice flour from broken rice via ultrasonic assisted extraction of amylose. <i>Food Chemistry</i> , <b>2016</b> , 203, 158-164	8.5	18
34	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> , <b>2016</b> , 45, 518-533	1.8	4
33	Direct reuse of Cu-laden wastewater for non-edible oil hydrolysis: basic mechanism of metal extraction and fatty acid production. <i>RSC Advances</i> , <b>2016</b> , 6, 25359-25367	3.7	7
32	Subcritical water hydrolysis of durian seeds waste for bioethanol production. <i>International Journal of Industrial Chemistry</i> , <b>2016</b> , 7, 29-37	3.1	12
31	Pretreatment and conversion of lignocellulose biomass into valuable chemicals. <i>RSC Advances</i> , <b>2016</b> , 6, 46834-46852	3.7	147
30	Optimizing mixture properties of biodiesel production using genetic algorithm-based evolutionary support vector machine. <i>International Journal of Green Energy</i> , <b>2016</b> , 13, 1599-1607	3	14
29	Preparation of carbon fiber from water hyacinth liquid tar. <i>International Journal of Industrial Chemistry</i> , <b>2015</b> , 6, 1-7	3.1	15
28	Catalyst free production of partial glycerides: acetone as solvent. <i>RSC Advances</i> , <b>2015</b> , 5, 30833-30840	3.7	11
27	Taguchi Method and Grey Relational Analysis to Improve in Situ Production of FAME from Sunflower and Jatropha curcas Kernels with Subcritical Solvent Mixture. <i>JAOCS, Journal of the American Oil Chemists Society</i> , <b>2015</b> , 92, 1513-1523	1.8	10
26	Transesterification of activated sludge in subcritical solvent mixture. <i>Bioresource Technology</i> , <b>2015</b> , 197, 30-6	11	19

25	Ammonia removal from water using sodium hydroxide modified zeolite mordenite. <i>RSC Advances</i> , <b>2015</b> , 5, 83689-83699	3.7	38
24	Supercritical CO <sub>2</sub> Extraction of Phytochemical Compounds from <i>Mimosa pudica</i> Linn. <i>Chemical Engineering Communications</i> , <b>2015</b> , 202, 1011-1017	2.2	4
23	Production of gamma-valerolactone from sugarcane bagasse over TiO <sub>2</sub> -supported platinum and acid-activated bentonite as a co-catalyst. <i>RSC Advances</i> , <b>2015</b> , 5, 41285-41299	3.7	29
22	Carbon microsphere from water hyacinth for supercapacitor electrode. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2015</b> , 47, 197-201	5.3	24
21	Investigation on supercritical CO <sub>2</sub> extraction of phenolic-phytochemicals from an epiphytic plant tuber ( <i>Myrmecodia pendans</i> ). <i>Journal of CO<sub>2</sub> Utilization</i> , <b>2014</b> , 6, 26-33	7.6	17
20	Effect of extraction solvent on total phenol content, total flavonoid content, and antioxidant activity of <i>Limnophila aromatica</i> . <i>Journal of Food and Drug Analysis</i> , <b>2014</b> , 22, 296-302	7	73 <sup>8</sup>
19	Antibiotic detoxification from synthetic and real effluents using a novel MTAB surfactant-montmorillonite (organoclay) sorbent. <i>RSC Advances</i> , <b>2014</b> , 4, 16298-16311	3.7	32
18	Easy approach to synthesize N/P/K co-doped porous carbon microfibers from cane molasses as a high performance supercapacitor electrode material. <i>RSC Advances</i> , <b>2014</b> , 4, 34739-34750	3.7	15
17	In situ transesterification of <i>Jatropha curcas</i> L. seeds in subcritical solvent system. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2014</b> , 45, 1516-1522	5.3	26
16	Investigation of the continuous flow sorption of heavy metals in a biomass-packed column: revisiting the Thomas design model for correlation of binary component systems. <i>RSC Advances</i> , <b>2014</b> , 4, 52856-52870	3.7	19
15	Solubilities of 3-acetylpyridine in supercritical carbon dioxide at several temperatures and pressures: Experimental and modeling. <i>Fluid Phase Equilibria</i> , <b>2013</b> , 354, 127-132	2.5	4
14	Measurement and mathematical modeling of solubility of butyryl-odor substance (acetoin) in supercritical CO <sub>2</sub> at several pressures and temperatures. <i>Fluid Phase Equilibria</i> , <b>2013</b> , 356, 102-108	2.5	7
13	Catechin sublimation pressure and solubility in supercritical carbon dioxide. <i>Fluid Phase Equilibria</i> , <b>2013</b> , 358, 220-225	2.5	10
12	SUPERCritical CO <sub>2</sub> EXTRACTION OF PHENOLIC COMPOUNDS IN ROSELLE (HIBISCUS SABDARIFFA L.). <i>Chemical Engineering Communications</i> , <b>2013</b> , 200, 1187-1196	2.2	7
11	Nickel and Cobalt Complexes of Non-protein L-Norvaline and Antioxidant Ferulic Acid: Potentiometric and Spectrophotometric Studies. <i>Journal of Solution Chemistry</i> , <b>2012</b> , 41, 1156-1164	1.8	13
10	Facile preparation of sago starch esters using full factorial design of experiment. <i>Starch/Staerke</i> , <b>2012</b> , 64, 590-597	2.3	9
9	Removal of copper ions from aqueous solution by adsorption using LABORATORIES-modified bentonite (organo-bentonite). <i>Frontiers of Chemical Science and Engineering</i> , <b>2012</b> , 6, 58-66	4.5	25
8	Adsorption of N-methylated diaminotriphenylmethane dye (malachite green) on natural rarasaponin modified kaolin. <i>Desalination and Water Treatment</i> , <b>2012</b> , 41, 342-355		18

7	Complex Stability and Molecular Structure Studies of Divalent Metal Ion with-Norleucine and Vitamin B3. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2011</b> , 56, 4549-4555	2.8	16
6	Potential application of waste neem leaves for bleaching of low-quality crude palm oil. <i>Asia-Pacific Journal of Chemical Engineering</i> , <b>2011</b> , 6, 685-688	1.3	
5	Isolation and characterization of starch from defatted rice bran. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2011</b> , 42, 86-91	5.3	34
4	Organo-bentonite for the adsorption of Pb(II) from aqueous solution: Temperature dependent parameters of several adsorption equations. <i>Desalination and Water Treatment</i> , <b>2011</b> , 36, 280-288		17
3	PURIFICATION OF AZADIRACHTIN VIA SILICA GEL COLUMN CHROMATOGRAPHY. <i>Journal of Liquid Chromatography and Related Technologies</i> , <b>2011</b> , 34, 2462-2472	1.3	2
2	Adsorption of Acid Blue 129 from Aqueous Solutions onto Raw and Surfactant-Modified Bentonite: Application of Temperature-Dependent Forms of Adsorption Isotherms. <i>Adsorption Science and Technology</i> , <b>2010</b> , 28, 847-868	3.6	19
1	Density and Viscosity Correlation for Several Common Fragrance and Flavor Esters. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2005</b> , 50, 727-731	2.8	64