

Abdalla H Karoyo

List of Publications by Year in descending order

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26
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26
times ranked

788
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review on the Design and Hydration Properties of Natural Polymer-Based Hydrogels. <i>Materials</i> , 2021, 14, 1095.	2.9	106
2	Physicochemical Properties and the Gelation Process of Supramolecular Hydrogels: A Review. <i>Gels</i> , 2017, 3, 1.	4.5	76
3	Formation of Host-Guest Complexes of β -Cyclodextrin and Perfluorooctanoic Acid. <i>Journal of Physical Chemistry B</i> , 2011, 115, 9511-9527.	2.6	61
4	Nano-Sized Cyclodextrin-Based Molecularly Imprinted Polymer Adsorbents for Perfluorinated Compounds—A Mini-Review. <i>Nanomaterials</i> , 2015, 5, 981-1003.	4.1	57
5	Tunable macromolecular-based materials for the adsorption of perfluorooctanoic and octanoic acid anions. <i>Journal of Colloid and Interface Science</i> , 2013, 402, 196-203.	9.4	53
6	Enzymatic activity studies of <i>Pseudomonas cepacia</i> lipase adsorbed onto copolymer supports containing β -cyclodextrin. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 87, 105-112.	1.8	35
7	Characterization and Dynamic Properties for the Solid Inclusion Complexes of β -Cyclodextrin and Perfluorooctanoic Acid. <i>Journal of Physical Chemistry B</i> , 2013, 117, 8269-8282.	2.6	34
8	Investigation of the Adsorption Processes of Fluorocarbon and Hydrocarbon Anions at the Solid–Solution Interface of Macromolecular Imprinted Polymer Materials. <i>Journal of Physical Chemistry C</i> , 2016, 120, 6553-6568.	3.1	26
9	Renewable Starch Carriers with Switchable Adsorption Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 4603-4613.	6.7	21
10	A ^1H NMR Study of Host/Guest Supramolecular Complexes of a Curcumin Analogue with β -Cyclodextrin and a β -Cyclodextrin-Conjugated Gemini Surfactant. <i>Molecular Pharmaceutics</i> , 2015, 12, 2993-3006.	4.6	20
11	Counterion Anchoring Effect on the Structure of the Solid-State Inclusion Complexes of β -Cyclodextrin and Sodium Perfluorooctanoate. <i>Journal of Physical Chemistry C</i> , 2015, 119, 22225-22243.	3.1	18
12	Hydration and Sorption Properties of Raw and Milled Flax Fibers. <i>ACS Omega</i> , 2020, 5, 6113-6121.	3.5	15
13	Comparison of the Moisture Adsorption Properties of Starch Particles and Flax Fiber Coatings for Energy Wheel Applications. <i>ACS Omega</i> , 2020, 5, 9529-9539.	3.5	15
14	Preparation and Characterization of a Polymer-Based “Molecular Accordion”. <i>Langmuir</i> , 2016, 32, 3066-3078.	3.5	14
15	Spectroscopic and Thermodynamic Study of Biopolymer Adsorption Phenomena in Heterogeneous Solid–Liquid Systems. <i>ACS Omega</i> , 2018, 3, 15370-15379.	3.5	13
16	Characterization and Dynamic Properties for the Solid Inclusion Complexes of β -Cyclodextrin and Perfluorobutyric Acid. <i>Journal of Physical Chemistry C</i> , 2014, 118, 15460-15473.	3.1	12
17	Water Vapor Adsorption–Desorption Behavior of Surfactant-Coated Starch Particles for Commercial Energy Wheels. <i>ACS Omega</i> , 2019, 4, 14378-14389.	3.5	12
18	Starch Particles, Energy Harvesting, and the “Goldilocks Effect”. <i>ACS Omega</i> , 2018, 3, 3796-3803.	3.5	9

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19	Raman and DRIFT spectra, vibrational assignments and quantum mechanical calculations of centrosymmetric meso -2,3-Dimercaptosuccinic acid. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 183, 275-283.	3.9	7
20	Vapor Adsorption Transient Test Facility for Dehumidification and Desorption Studies. <i>International Journal of Technology</i> , 2018, 9, 1092.	0.8	6
21	Cyclodextrin-Based Polymer-Supported Bacterium for the Adsorption and in-situ Biodegradation of Phenolic Compounds. <i>Frontiers in Chemistry</i> , 2018, 6, 403.	3.6	5
22	Surfactant Surface-Patterned Starch Particles for Adsorption-Based Applications: The Role of Sabatier's Principle. <i>ACS Applied Polymer Materials</i> , 2019, 1, 2787-2796.	4.4	5
23	Flax Biomass Conversion via Controlled Oxidation: Facile Tuning of Physicochemical Properties. <i>Bioengineering</i> , 2020, 7, 38.	3.5	5
24	Inclusion Complexes of Melphalan with Gemini-Conjugated β -Cyclodextrin: Physicochemical Properties and Chemotherapeutic Efficacy in In-Vitro Tumor Models. <i>Pharmaceutics</i> , 2019, 11, 427.	4.5	4
25	A spectroscopic study of a cyclodextrin-based polymer and the "molecular accordion" effect. <i>Canadian Journal of Chemistry</i> , 2019, 97, 442-450.	1.1	1
26	Suitability of bio-desiccants for energy wheels in HVAC applications. <i>Building and Environment</i> , 2021, 206, 108369.	6.9	1