

# Jagannathan Krishnan

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

321  
citations

1040056

9  
h-index

888059

17  
g-index

27  
all docs

27  
docs citations

27  
times ranked

441  
citing authors

#	ARTICLE	IF	CITATIONS
1	Decolourization of reactive dyes by thin film immobilized surface photoreactor using solar irradiation. <i>Solar Energy</i> , 2007, 81, 1-7.	6.1	52
2	Start-up, performance and optimization of a compost biofilter treating gas-phase mixture of benzene and toluene. <i>Bioresource Technology</i> , 2015, 190, 529-535.	9.6	51
3	Effect of pH, inoculum dose and initial dye concentration on the removal of azo dye mixture under aerobic conditions. <i>International Biodeterioration and Biodegradation</i> , 2017, 119, 16-27.	3.9	44
4	Batch biodegradation of toluene by mixed microbial consortia and its kinetics. <i>International Biodeterioration and Biodegradation</i> , 2017, 119, 282-288.	3.9	34
5	Steady State, transient behavior and kinetic modeling of benzene removal in an aerobic biofilter. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103657.	6.7	16
6	Reliability, agreement, and validity of digital weighing scale with MatScan in limb load measurement. <i>Journal of Rehabilitation Research and Development</i> , 2014, 51, 591-598.	1.6	15
7	Enhancement of Oxygen Mass Transfer and Gas Holdup Using Palm Oil in Stirred Tank Bioreactors with Xanthan Solutions as Simulated Viscous Fermentation Broths. <i>BioMed Research International</i> , 2013, 2013, 1-9.	1.9	14
8	Potential use of biomass and coal-fine waste for making briquette for sustainable energy and environment. <i>Environmental Science and Pollution Research</i> , 2021, 28, 63516-63522.	5.3	13
9	Experimental investigation of density, viscosity, and surface tension of aqueous tetrabutylammonium-based ionic liquids. <i>Environmental Science and Pollution Research</i> , 2021, 28, 63599-63613.	5.3	11
10	A CFD study of the effect of venturi geometry on high pressure wet gas metering. <i>International Journal of Oil, Gas and Coal Technology</i> , 2013, 6, 549.	0.2	8
11	Preparation, Characterization and Effectivity of N, Fe-TiO <sub>2</sub> as a Visible Light Active Photocatalyst. <i>Advanced Materials Research</i> , 0, 894, 245-249.	0.3	8
12	Application of Response Surface Methodology in Extraction of Bioactive Component from Palm Leaves ( <i>Elaeis guineensis</i> ). <i>International Journal of Science and Engineering</i> , 2013, 5, .	0.1	7
13	Photocatalytic Degradation of Methylene Blue by Nanosized Visible Light Active Nitrogen and Iron Codoped Titania: Characterization and Feasibility Investigation. <i>Journal of Environmental Engineering, ASCE</i> , 2016, 142, .	1.4	7
14	Effect of Calcination Temperature on Synthesis of N-Fe-TiO <sub>2</sub> for Photocatalytic Degradation of Methylene Blue under Visible Light. <i>Applied Mechanics and Materials</i> , 0, 575, 55-59.	0.2	6
15	Experimental investigation on CO <sub>2</sub> absorption and physicochemical characteristics of different carbon-loaded aqueous solvents. <i>Environmental Science and Pollution Research</i> , 2021, 28, 63532-63543.	5.3	5
16	Effect of Dopant Concentration of N, Fe Co-Doped TiO <sub>2</sub> on Photodegradation of Methylene Blue under Ordinary Visible Light. <i>Applied Mechanics and Materials</i> , 2014, 661, 34-38.	0.2	4
17	Predicting the combustion behaviour of compression ignition engine fuelled with biodiesel from <i>Stoechospermum marginatum</i> , a macro algae. <i>Environmental Science and Pollution Research</i> , 2021, 28, 63464-63479.	5.3	4
18	Experimental investigation on water absorption capacity of RHA-added cement concrete. <i>Environmental Science and Pollution Research</i> , 2021, 28, 63623-63628.	5.3	4

#	ARTICLE	IF	CITATIONS
19	Synthesis, Characterization and Efficiency of N, C-TiO <sub>2</sub> as an Active Visible Light Photocatalyst. Applied Mechanics and Materials, 0, 661, 63-67.	0.2	3
20	Microwave-Alkali Activation on the Morphology and Structure of Bamboo Activated Carbon. Applied Mechanics and Materials, 2014, 575, 154-159.	0.2	3
21	Effect of Calcination Temperature of Carbon Doped TiO <sub>2</sub> (C-TiO <sub>2</sub> ) on Photocatalytic Activity under Visible Light. Advanced Materials Research, 2014, 997, 292-296.	0.3	3
22	Effect of Membrane Materials on Transport Kinetics of Cu(II) through Bulk Liquid Membrane. International Journal of Chemical Engineering and Applications (IJCEA), 2014, 5, 315-318.	0.3	3
23	Comparison of pretreatment methods for the enhancement of fermentable sugar production from kitchen waste. , 2012, , .		2
24	Effect of N, S Co-doped TiO <sub>2</sub> concentration on photocatalytic degradation of phenol. AIP Conference Proceedings, 2017, , .	0.4	2
25	Optimization of enzymatic hydrolysis of kitchen waste using response surface methodology (RSM) for reducing sugar production. , 2013, , .		1
26	Batch Kinetics and Effects of Process Parameters for Biodegradation of Reactive Black 5 in an Aerobic Mixed Microbial Culture. Scientific Research Journal, 2013, 10, 1.	0.4	1
27	Development of an Intelligent Neural Model to Predict and Analyze the VOC Removal Pattern in a Photocatalytic Reactor. , 2012, , 240-261.		0