

Mark Daniel G De Luna

List of Publications by Year in descending order

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183
papers

7,195
citations

53794

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82547

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all docs

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docs citations

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times ranked

6709
citing authors

#	ARTICLE	IF	CITATIONS
1	Low thermal oxidation of gaseous toluene over Cu/Ce single-doped and co-doped OMS-2 on different synthetic routes. <i>Chemical Engineering Communications</i> , 2024, 211, 350-365.	2.6	0
2	Remediation of oxalate in a homogeneous granulation process in the frame of crystallization. <i>Chemical Engineering Communications</i> , 2022, 209, 378-389.	2.6	7
3	Self-forming Dynamic Membranes for Wastewater Treatment. <i>Separation and Purification Reviews</i> , 2022, 51, 195-211.	5.5	9
4	Kinetics and thermodynamics of organo-sulfur-compound desorption from saturated neutral activated alumina. <i>Environmental Science and Pollution Research</i> , 2022, 29, 12473-12483.	5.3	4
5	Electrochemically-driven regeneration of iron (II) enhances Fenton abatement of pesticide cartap. <i>Journal of Hazardous Materials</i> , 2022, 421, 126713.	12.4	15
6	Synthesis of 5-hydroxymethylfurfural from glucose, fructose, cellulose and agricultural wastes over sulfur-doped peanut shell catalysts in ionic liquid. <i>Chemosphere</i> , 2022, 291, 132829.	8.2	14
7	Insight into the Roles of Metal Loading on CO ₂ Photocatalytic Reduction Behaviors of TiO ₂ . <i>Nanomaterials</i> , 2022, 12, 474.	4.1	10
8	Optimization and modeling of carbohydrate production in microalgae for use as feedstock in bioethanol fermentation. <i>International Journal of Energy Research</i> , 2022, 46, 19300-19312.	4.5	4
9	N-Schorel TiO ₂ nanocomposite for visible-light photocatalysis deactivation yeast exemplified by <i>Candida albicans</i> . <i>Chemical Engineering Journal</i> , 2022, 435, 134294.	12.7	8
10	Synergistic degradation of Methylene Blue by novel Fe-Co bimetallic catalyst supported on waste silica in photo-Fenton-like system. <i>Sustainable Environment Research</i> , 2022, 32, .	4.2	9
11	Bioethanol production from <i>Chlorella vulgaris</i> ESP-31 grown in unsterilized swine wastewater. <i>Bioresource Technology</i> , 2022, 352, 127086.	9.6	22
12	Calcium-based seeded precipitation for simultaneous removal of fluoride and phosphate: Its optimization using BBD-RSM and defluoridation mechanism. <i>Journal of Water Process Engineering</i> , 2022, 47, 102658.	5.6	20
13	Treatment of synthetic zinc and nickel wastewater and identification of its crystallization products by fluidized bed homogeneous crystallization technology. <i>Chemical Engineering Research and Design</i> , 2022, 164, 154-163.	5.6	5
14	Degradation of imidacloprid by fluidized-bed Fenton process. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108193.	6.7	3
15	Cartap removal from simulated water matrices by fluidized-bed Fenton process: optimization of process parameters. <i>Environmental Science and Pollution Research</i> , 2021, 28, 40587-40597.	5.3	6
16	Visible-light photocatalytic diclofenac removal by tunable vanadium pentoxide/boron-doped graphitic carbon nitride composite. <i>Chemical Engineering Journal</i> , 2021, 403, 126213.	12.7	65
17	Nitrogen and fluorine co-doped 3-dimensional reduced graphene oxide architectures as high-performance electrode material for capacitive deionization of copper ions. <i>Separation and Purification Technology</i> , 2021, 272, 117559.	7.9	23
18	Sustainable biofuel and bioenergy production from biomass waste residues using microwave-assisted heating: A comprehensive review. <i>Chemical Engineering Journal</i> , 2021, 403, 126233.	12.7	192

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19	Enhanced visible-light-driven photocatalytic degradation of acetaminophen over CeO ₂ /I ₂ , K-codoped C ₃ N ₄ heterojunction with tunable properties in simulated water matrix. Separation and Purification Technology, 2021, 272, 117567.	7.9	23
20	A comprehensive review of hydrogen production from methanol thermochemical conversion for sustainability. Energy, 2021, 217, 119384.	8.8	163
21	Low-temperature catalytic conversion of alkaline sewage sludge bio-oil to biodiesel: Product characteristics and reaction mechanisms. Environmental Technology and Innovation, 2021, 21, 101266.	6.1	8
22	Optimization of manganese recovery from groundwater treatment sludge for the production of highly-efficient Cu(II) and Pb(II) adsorbents. Journal of Environmental Chemical Engineering, 2021, 9, 104705.	6.7	4
23	Nickel ferrite nanoenabled graphene oxide (NiFe ₂ O ₄ @GO) as photoactive nanocomposites for water treatment. Environmental Science and Pollution Research, 2021, 28, 5472-5481.	5.3	24
24	Removal of sodium diclofenac from aqueous solutions by rice hull biochar. Biochar, 2021, 3, 189-200.	12.6	22
25	Bismuth Film-Coated Gold Ultramicroelectrode Array for Simultaneous Quantification of Pb(II) and Cd(II) by Square Wave Anodic Stripping Voltammetry. Sensors, 2021, 21, 1811.	3.8	9
26	Isotherm, Kinetics and Thermodynamics of Cu(II) and Pb(II) Adsorption on Groundwater Treatment Sludge-Derived Manganese Dioxide for Wastewater Treatment Applications. International Journal of Environmental Research and Public Health, 2021, 18, 3050.	2.6	11
27	Nonlinear Isotherm and Kinetic Modeling of Cu(II) and Pb(II) Uptake from Water by MnFe ₂ O ₄ /Chitosan Nanoadsorbents. Water (Switzerland), 2021, 13, 1662.	2.7	12
28	Competitive effect of copper and nickel recovery with carbonate in the fluidized-bed homogeneous granulation process. Environmental Science and Pollution Research, 2021, , 1.	5.3	4
29	Chemical precipitation at extreme fluoride concentration and potential recovery of CaF ₂ particles by fluidized-bed homogenous crystallization process. Chemical Engineering Journal, 2021, 415, 128917.	12.7	29
30	Adsorptive removal of dye in wastewater by metal ferrite-enabled graphene oxide nanocomposites. Chemosphere, 2021, 274, 129518.	8.2	52
31	Fluoride-rich wastewater treatment by ballast-assisted precipitation with the selection of precipitants and discarded or recovered materials as ballast. Journal of Environmental Chemical Engineering, 2021, 9, 105713.	6.7	8
32	Degradation of tetracycline antibiotics by Fe ²⁺ -catalyzed percarbonate oxidation. Science of the Total Environment, 2021, 781, 146411.	8.0	48
33	Novel solution- and paper-based sensors based on label-free fluorescent carbon dots for the selective detection of pyrimethanil. Applied Surface Science, 2021, 564, 150372.	6.1	33
34	A critical review on second- and third-generation bioethanol production using microwaved-assisted heating (MAH) pretreatment. Renewable and Sustainable Energy Reviews, 2021, 152, 111679.	16.4	33
35	Facile fabrication of 17 β -estradiol electrochemical sensor using polyaniline/carbon dot-coated glassy carbon electrode with synergistically enhanced electrochemical stability. Talanta, 2021, 235, 122782.	5.5	23
36	Catalytic microwave-assisted torrefaction of sugarcane bagasse with calcium oxide optimized via Taguchi approach: Product characterization and energy analysis. Fuel, 2021, 305, 121543.	6.4	20

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37	Natural Organic Matter Removal from Raw Surface Water: Benchmarking Performance of Chemical Coagulants through Excitation-Emission Fluorescence Matrix Spectroscopy Analysis. <i>Water (Switzerland)</i> , 2021, 13, 146.	2.7	7
38	Fluidized-bed homogeneous granulation process: Comparison of individual and mixed precipitation of cobalt and copper. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106644.	6.7	5
39	Recovery of zinc granules from synthetic electroplating wastewater using fluidized-bed homogeneous crystallization process. <i>International Journal of Environmental Science and Technology</i> , 2020, 17, 129-142.	3.5	8
40	Calcium carbonate granulation in a fluidized-bed reactor: Kinetic, parametric and granule characterization analyses. <i>Chemical Engineering Journal</i> , 2020, 382, 122879.	12.7	18
41	Doping TiO ₂ with CuSO ₄ enhances visible light photocatalytic activity for organic pollutant degradation. <i>Environmental Science and Pollution Research</i> , 2020, 27, 24604-24613.	5.3	10
42	Fluoride network and circular economy as potential model for sustainable development-A review. <i>Chemosphere</i> , 2020, 239, 124662.	8.2	28
43	Electrochemically-driven dosing of iron (II) for autonomous electro-Fenton processes with in situ generation of H ₂ O ₂ . <i>Journal of Electroanalytical Chemistry</i> , 2020, 856, 113639.	3.8	13
44	Effect of calcination time of a quadruple-element doped titania nanoparticles in the photodegradation of gaseous formaldehyde under blue light irradiation. <i>Chemosphere</i> , 2020, 246, 125763.	8.2	16
45	Synergistic co-pyrolysis of polyolefin plastics with wood and agricultural wastes for biofuel production. <i>Applied Energy</i> , 2020, 279, 115668.	10.1	67
46	Impact of post-torrefaction process on biochar formation from wood pellets and self-heating phenomena for production safety. <i>Energy</i> , 2020, 207, 118324.	8.8	17
47	Effect of EDTA and CH ₂ O on copper recovery from simulated electroless copper plating spent rinse water by unseeded fluidized-bed granulation process. <i>Separation and Purification Technology</i> , 2020, 253, 117460.	7.9	14
48	Catalytic conversion of sugars and biomass to furanic biofuel precursors by boron-doped biochar in ionic liquid. <i>Bioresource Technology Reports</i> , 2020, 11, 100515.	2.7	10
49	Operating pH influences homogeneous calcium carbonate granulation in the frame of CO ₂ capture. <i>Journal of Cleaner Production</i> , 2020, 272, 122325.	9.3	18
50	Percarbonate mediated advanced oxidation completely degrades recalcitrant pesticide imidacloprid: Role of reactive oxygen species and transformation products. <i>Separation and Purification Technology</i> , 2020, 250, 117269.	7.9	50
51	Beyond carbon capture towards resource recovery and utilization: fluidized-bed homogeneous granulation of calcium carbonate from captured CO ₂ . <i>Chemosphere</i> , 2020, 250, 126325.	8.2	16
52	Modeling and optimization of imidacloprid degradation by catalytic percarbonate oxidation using artificial neural network and Box-Behnken experimental design. <i>Chemosphere</i> , 2020, 251, 126254.	8.2	58
53	Influence of hydrocarbons on hydrogen chloride removal from refinery off-gas by zeolite NaY derived from rice husks. <i>Science of the Total Environment</i> , 2020, 728, 138782.	8.0	17
54	Applicability of the electrocoagulation process in treating real municipal wastewater containing pharmaceutical active compounds. <i>Journal of Hazardous Materials</i> , 2019, 361, 367-373.	12.4	76

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55	Water reuse nexus with resource recovery: On the fluidized-bed homogeneous crystallization of copper and phosphate from semiconductor wastewater. <i>Journal of Cleaner Production</i> , 2019, 236, 117705.	9.3	26
56	Are pharmaceuticals removal and membrane fouling in electromembrane bioreactor affected by current density?. <i>Science of the Total Environment</i> , 2019, 692, 732-740.	8.0	40
57	Applicability of Composite Silica-Divinylbenzene in Bioethanol Dehydration: Equilibrium, Kinetic, Thermodynamic, and Regeneration Analysis. <i>Energy & Fuels</i> , 2019, 33, 7347-7356.	5.1	6
58	Optimization, isotherm, and kinetic studies of diclofenac removal from aqueous solutions by Fe-Mn binary oxide adsorbents. <i>Environmental Science and Pollution Research</i> , 2019, 26, 32407-32419.	5.3	9
59	Oxidative desulfurization of dibenzothiophene via high-shear mixing with phosphotungstic acid: the influence of calcination temperature on kinetics and catalytic activity. <i>Clean Technologies and Environmental Policy</i> , 2019, 21, 1459-1469.	4.1	5
60	Removal and recovery of calcium from aqueous solutions by fluidized-bed homogeneous crystallization. <i>Chemical Engineering Research and Design</i> , 2019, 128, 307-315.	5.6	33
61	Insights into the rapid elimination of antibiotics from aqueous media by tunable C ₃ N ₄ photocatalysts: Effects of dopant amount, co-existing ions and reactive oxygen species. <i>Science of the Total Environment</i> , 2019, 669, 1053-1061.	8.0	32
62	Removal of 4-chlorophenol by visible-light photocatalysis using ammonium iron(II) sulfate-doped nano-titania. <i>Chemical Engineering Research and Design</i> , 2019, 125, 121-128.	5.6	39
63	Recovery of copper salts by fluidized-bed homogeneous granulation process: High selectivity on malachite crystallization. <i>Hydrometallurgy</i> , 2019, 186, 66-72.	4.3	23
64	Enhanced recovery of aluminum from wastewater using a fluidized bed homogeneously dispersed granular reactor. <i>Chemosphere</i> , 2019, 223, 330-341.	8.2	17
65	Preparation of highly photoluminescent carbon dots from polyurethane: Optimization using response surface methodology and selective detection of silver (I) ion. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 568, 184-194.	4.7	54
66	Isotherm and Thermodynamic Studies on the Removal of Sulfur from Diesel Fuel by Mixing-Assisted Oxidative-Adsorptive Desulfurization Technology. <i>Energy & Fuels</i> , 2019, 33, 1098-1105.	5.1	19
67	Electrochemical in-situ hydrogen peroxide generation in a packed-bed reactor for Fenton oxidation of p-nitrophenol in aqueous solution. <i>Chemical Engineering Research and Design</i> , 2019, 123, 161-168.	5.6	13
68	Optimum recovery of phosphate from simulated wastewater by unseeded fluidized-bed crystallization process. <i>Separation and Purification Technology</i> , 2019, 212, 783-790.	7.9	21
69	Upgrading of <i>Scenedesmus obliquus</i> oil to high-quality liquid-phase biofuel by nickel-impregnated biochar catalyst. <i>Journal of Cleaner Production</i> , 2019, 209, 1052-1060.	9.3	27
70	Control of emerging contaminants by the combination of electrochemical processes and membrane bioreactors. <i>Environmental Science and Pollution Research</i> , 2019, 26, 1103-1112.	5.3	68
71	Effect of catalyst calcination temperature in the visible light photocatalytic oxidation of gaseous formaldehyde by multi-element doped titanium dioxide. <i>Environmental Science and Pollution Research</i> , 2018, 25, 15216-15225.	5.3	32
72	Implementation of fluidized-bed Fenton as pre-treatment to reduce chemical oxygen demand of wastewater from screw manufacture: Influence of reagents feeding mode. <i>Separation and Purification Technology</i> , 2018, 202, 275-280.	7.9	17

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73	Application of mathematical modeling and electrochemical iron dosing strategies to improve the treatment performance of the electro-Fenton process. <i>Journal of Cleaner Production</i> , 2018, 181, 437-448.	9.3	19
74	Evaluation of the effectiveness and mechanisms of acetaminophen and methylene blue dye adsorption on activated biochar derived from municipal solid wastes. <i>Journal of Environmental Management</i> , 2018, 210, 255-262.	7.8	126
75	Kinetics of sulfur removal in high shear mixing-assisted oxidative-adsorptive desulfurization of diesel. <i>Journal of Cleaner Production</i> , 2018, 178, 468-475.	9.3	41
76	Phosphorous recovery by means of fluidized bed homogeneous crystallization of calcium phosphate. Influence of operational variables and electrolytes on brushite homogeneous crystallization. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 83, 124-132.	5.3	47
77	Removal of chemical oxygen demand from thin-film transistor liquid-crystal display wastewater using chitosan-coated bentonite: Isotherm, kinetics and optimization studies. <i>Journal of Cleaner Production</i> , 2018, 175, 145-154.	9.3	22
78	Application of central composite design in the optimization of lipid yield from <i>Scenedesmus obliquus</i> microalgae by ultrasound-assisted solvent extraction. <i>Energy</i> , 2018, 157, 949-956.	8.8	52
79	Removal of nickel ions from aqueous solutions by manganese dioxide derived from groundwater treatment sludge. <i>Journal of Cleaner Production</i> , 2018, 190, 443-451.	9.3	46
80	Highly fluorescent carbon dots from enokitake mushroom as multi-faceted optical nanomaterials for Cr ⁶⁺ and VOC detection and imaging applications. <i>Applied Surface Science</i> , 2018, 453, 192-203.	6.1	133
81	Zinc oxide nanoparticles for water disinfection. <i>Sustainable Environment Research</i> , 2018, 28, 47-56.	4.2	292
82	Application of visible light on copper-doped titanium dioxide catalyzing degradation of chlorophenols. <i>Separation and Purification Technology</i> , 2018, 191, 233-243.	7.9	52
83	Improving the surface properties of municipal solid waste-derived pyrolysis biochar by chemical and thermal activation: Optimization of process parameters and environmental application. <i>Waste Management</i> , 2018, 72, 255-264.	7.4	52
84	Removal of ammonium-nitrogen from aqueous solution using chitosan-coated bentonite: Mechanism and effect of operating parameters. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45924.	2.6	21
85	Fouling Mitigation and Wastewater Treatment Enhancement through the Application of an Electro Moving Bed Membrane Bioreactor (eMB-MBR). <i>Membranes</i> , 2018, 8, 116.	3.0	7
86	Optimization and kinetics of the desulfurization of diesel fuel via high shear mixing oxidation assisted by adsorption of sulfones onto chitosan-coated bentonite. <i>International Journal of Green Energy</i> , 2018, 15, 930-940.	3.8	6
87	Fluidized-bed Fenton treatment of imidacloprid: Optimization and degradation pathway. <i>Sustainable Environment Research</i> , 2018, 28, 309-314.	4.2	39
88	Evaluation of continuously mixed reactor configurations in the oxidative-adsorptive desulfurization of diesel fuel: Optimization and parametric studies. <i>Journal of Cleaner Production</i> , 2018, 203, 664-673.	9.3	20
89	Manganese and iron recovery from groundwater treatment sludge by reductive acid leaching and hydroxide precipitation. <i>Journal of Environmental Management</i> , 2018, 223, 723-730.	7.8	20
90	Rapid removal of sulfamethoxazole from simulated water matrix by visible-light responsive iodine and potassium co-doped graphitic carbon nitride photocatalysts. <i>Chemosphere</i> , 2018, 210, 1099-1107.	8.2	31

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91	Adsorption of Methylene Blue dye and Cu(II) ions on EDTA-modified bentonite: Isotherm, kinetic and thermodynamic studies. <i>Sustainable Environment Research</i> , 2018, 28, 197-205.	4.2	109
92	Recovery of phosphorus from synthetic wastewaters by struvite crystallization in a fluidized-bed reactor: Effects of pH, phosphate concentration and coexisting ions. <i>Chemosphere</i> , 2017, 173, 466-473.	8.2	101
93	Synthesis of novel potassium peroxodisulfate-modified titanium dioxide for photocatalytic oxidation of acetaminophen under visible light irradiation. <i>International Journal of Environmental Science and Technology</i> , 2017, 14, 973-982.	3.5	9
94	Removal of sodium diclofenac from aqueous solution by adsorbents derived from cocoa pod husks. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 1465-1474.	6.7	89
95	Degradation of imidacloprid insecticide in a binary mixture with propylene glycol by conventional fenton process. <i>Journal of Advanced Oxidation Technologies</i> , 2017, 20, .	0.5	4
96	Hexavalent chromium removal from aqueous solution by adsorbents synthesized from groundwater treatment residuals. <i>Sustainable Environment Research</i> , 2017, 27, 163-171.	4.2	76
97	Degradation of gaseous formaldehyde via visible light photocatalysis using multi-element doped titania nanoparticles. <i>Chemosphere</i> , 2017, 182, 174-182.	8.2	41
98	In situ transesterification of <i>Chlorella</i> sp. microalgae using LiOH-pumice catalyst. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 2830-2835.	6.7	25
99	Electro-assisted Fenton treatment of ammunition wastewater containing nitramine explosives. <i>Chemical Engineering Research and Design</i> , 2017, 109, 429-436.	5.6	20
100	Bio-oil production from dry sewage sludge by fast pyrolysis in an electrically-heated fluidized bed reactor. <i>Sustainable Environment Research</i> , 2017, 27, 7-14.	4.2	101
101	Assessing biodiesel production from sewage sludge-derived bio-oil. <i>Biocatalysis and Agricultural Biotechnology</i> , 2017, 10, 189-196.	3.1	36
102	Recovery of oxalate from bauxite wastewater using fluidized-bed homogeneous granulation process. <i>Journal of Cleaner Production</i> , 2017, 154, 130-138.	9.3	26
103	Enhancement of biodegradability of o -toluidine effluents by electro-assisted photo-Fenton treatment. <i>Chemical Engineering Research and Design</i> , 2017, 106, 60-67.	5.6	30
104	A statistical experimental design to remove sulfate by crystallization in a fluidized-bed reactor. <i>Sustainable Environment Research</i> , 2017, 27, 117-124.	4.2	8
105	Utilization of groundwater treatment plant (CWTP) sludge for nickel removal from aqueous solutions: Isotherm and kinetic studies. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 5746-5753.	6.7	39
106	Kinetics of Mixing-Assisted Oxidative Desulfurization of Dibenzothiophene in Toluene Using a Phosphotungstic Acid/Hydrogen Peroxide System: Effects of Operating Conditions. <i>Energy & Fuels</i> , 2017, 31, 9923-9929.	5.1	26
107	Transesterification of soybean oil using a novel heterogeneous base catalyst: Synthesis and characterization of Na-pumice catalyst, optimization of transesterification conditions, studies on reaction kinetics and catalyst reusability. <i>Fuel</i> , 2017, 209, 246-253.	6.4	25
108	Ultrasound-assisted synthesis of adsorbents from groundwater treatment residuals for hexavalent chromium removal from aqueous solutions. <i>Groundwater for Sustainable Development</i> , 2017, 5, 253-260.	4.6	18

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109	Application of artificial neural network in the modeling and optimization of humic acid extraction from municipal solid waste biochar. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 4101-4107.	6.7	40
110	Improving the stability of diesel emulsions with high pyrolysis bio-oil content by alcohol co-surfactants and high shear mixing strategies. <i>Energy</i> , 2017, 141, 1416-1428.	8.8	28
111	Bamboo Torrefaction in a High Gravity (Higee) Environment Using a Rotating Packed Bed. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 7052-7062.	6.7	4
112	Removal of Pharmaceuticals from Wastewater by Intermittent Electrocoagulation. <i>Water (Switzerland)</i> , 2017, 9, 85.	2.7	61
113	Removal of sulfate by fluidized bed crystallization process. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 2431-2439.	6.7	21
114	Gas phase Catalytic Oxidation of VOCs using Hydrothermally Synthesized Nest-like K-OMS 2 Catalyst. <i>Sains Malaysiana</i> , 2017, 46, 275-283.	0.5	8
115	Competitive Fixed-Bed Adsorption of Pb(II), Cu(II), and Ni(II) from Aqueous Solution Using Chitosan-Coated Bentonite. <i>International Journal of Polymer Science</i> , 2016, 2016, 1-11.	2.7	39
116	Combination of Electrochemical Processes with Membrane Bioreactors for Wastewater Treatment and Fouling Control: A Review. <i>Frontiers in Environmental Science</i> , 2016, 4, .	3.3	61
117	Factors affecting treatment of <sc>TFTâ€¦LCD</sc> wastewater by fenton and electroâ€¦fenton processes. <i>Environmental Progress and Sustainable Energy</i> , 2016, 35, 368-373.	2.3	5
118	Effects of doping amounts of potassium ferricyanide with titanium dioxide and calcination durations on visible-light degradation of pharmaceuticals. <i>Environmental Science and Pollution Research</i> , 2016, 23, 22721-22733.	5.3	8
119	Photocatalytic degradation of reactive red 3 andalachlor over uncalcined Feâ€¦TiO₂ synthesized via hydrothermal method. <i>Desalination and Water Treatment</i> , 2016, 57, 22017-22028.	1.0	7
120	Photocatalytic oxidation of acetaminophen using carbon self-doped titanium dioxide. <i>Sustainable Environment Research</i> , 2016, 26, 161-167.	4.2	46
121	Degradations of acetaminophen via a K 2 S 2 O 8 -doped TiO 2 photocatalyst under visible light irradiation. <i>Chemosphere</i> , 2016, 155, 388-394.	8.2	60
122	Using activated clay for adsorption of sulfone compounds in diesel. <i>Journal of Cleaner Production</i> , 2016, 124, 378-382.	9.3	40
123	Adsorption of Sulfur Compounds from Diesel with Ion-Impregnated Activated Carbons. <i>Energy & Fuels</i> , 2016, 30, 3870-3878.	5.1	12
124	Removal of nickel by homogeneous granulation in a fluidized-bed reactor. <i>Chemosphere</i> , 2016, 164, 59-67.	8.2	35
125	Fluidized-bed Fenton process as alternative wastewater treatment technologyâ€¦A review. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 67, 211-225.	5.3	124
126	Nickel recovery from synthetic Watts bath electroplating wastewater by homogeneous fluidized bed granulation process. <i>Separation and Purification Technology</i> , 2016, 169, 128-136.	7.9	39

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127	Alachlor photocatalytic degradation over uncalcined Fe ³⁺ /TiO ₂ loaded on granular activated carbon under UV and visible light irradiation. <i>Desalination and Water Treatment</i> , 2016, 57, 6712-6722.	1.0	12
128	Ultrasonic cleaning of polytetrafluoroethylene membrane fouled by natural organic matter. <i>Journal of Membrane Science</i> , 2016, 497, 450-457.	8.2	28
129	Adsorption of dibenzothiophene sulfone from fuel using chitosan-coated bentonite (CCB) as biosorbent. <i>Desalination and Water Treatment</i> , 2016, 57, 5108-5118.	1.0	18
130	Optimization of As(V) removal using chitosan-coated bentonite from groundwater using Box-Behnken design: effects of adsorbent mass, flow rate, and initial concentration. <i>Desalination and Water Treatment</i> , 2016, 57, 18739-18747.	1.0	18
131	Multivariate optimization of phosphate removal and recovery from aqueous solution by struvite crystallization in a fluidized-bed reactor. <i>Desalination and Water Treatment</i> , 2015, 55, 496-505.	1.0	17
132	Degradation of dimethyl sulfoxide through fluidized-bed Fenton process. <i>Journal of Hazardous Materials</i> , 2015, 300, 218-226.	12.4	51
133	Removal of copper ions from aqueous solution by adlai shell (<i>Coix lacryma-jobi</i> L.) adsorbents. <i>Bioresource Technology</i> , 2015, 192, 841-844.	9.6	28
134	Optimization of visible-light photocatalytic degradation of acetaminophen by K ₃ [Fe(CN) ₆]-modified TiO ₂ . <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 49, 129-135.	5.3	13
135	Removal and recovery of lead in a fluidized-bed reactor by crystallization process. <i>Hydrometallurgy</i> , 2015, 155, 6-12.	4.3	40
136	Treatment of thin film transistor-liquid crystal display (TFT-LCD) wastewater by the electro-Fenton process. <i>Separation and Purification Technology</i> , 2015, 145, 104-112.	7.9	21
137	Factors affecting degradation of dimethyl sulfoxide (DMSO) by fluidized-bed Fenton process. <i>Environmental Science and Pollution Research</i> , 2014, 21, 14158-14165.	5.3	19
138	Kinetic study of acetaminophen degradation by visible light photocatalysis. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2014, 49, 892-899.	1.7	24
139	Magnesium phosphate crystallization in a fluidized-bed reactor: Effects of pH, Mg:P molar ratio and seed. <i>Separation and Purification Technology</i> , 2014, 125, 90-96.	7.9	38
140	Photocatalytic degradation of acetaminophen in modified TiO ₂ under visible irradiation. <i>Environmental Science and Pollution Research</i> , 2014, 21, 1208-1216.	5.3	30
141	Factors that influence degradation of acetaminophen by Fenton processes. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 565-570.	5.3	34
142	The Oxidative Desulfurization of Fuels with a Transition Metal Catalyst: A Comparative Assessment of Different Mixing Techniques. <i>International Journal of Green Energy</i> , 2014, 11, 833-848.	3.8	37
143	Removal of oxidized sulfur compounds using different types of activated carbon, aluminum oxide, and chitosan-coated bentonite. <i>Desalination and Water Treatment</i> , 2014, 52, 873-879.	1.0	20
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