Juan J Rodriguez Jimenez

List of Publications by Year
in descending order

300 papers	16,046 citations	14644 66 h-index	28275 105 g-index
303 all docs	303 docs citations	303 times ranked	13488 citing authors

#	Article	IF	Citations
1	An overview of ionic liquid degradation by advanced oxidation processes. Critical Reviews in Environmental Science and Technology, 2022, 52, 2844-2887.	6.6	7
2	Highly stable UiO-66-NH2 by the microwave-assisted synthesis for solar photocatalytic water treatment. Journal of Environmental Chemical Engineering, 2022, 10, 107122.	3.3	32
3	Solar photocatalytic degradation of parabens using UiO-66-NH2. Separation and Purification Technology, 2022, 286, 120467.	3.9	58
4	Activity and Stability of Pd Bimetallic Catalysts for Catalytic Nitrate Reduction. Catalysts, 2022, 12, 729.	1.6	3
5	A review on alkaline earth metal titanates for applications in photocatalytic water purification. Chemical Engineering Journal, 2021, 409, 128110.	6.6	42
6	Integration of Hydrothermal Carbonization and Anaerobic Digestion for Energy Recovery of Biomass Waste: An Overview. Energy & Fuels, 2021, 35, 17032-17050.	2.5	53
7	Microwave-assisted synthesis of NH2-MIL-125(Ti) for the solar photocatalytic degradation of aqueous emerging pollutants in batch and continuous tests. Journal of Environmental Chemical Engineering, 2021, 9, 106230.	3.3	56
8	TiO2-carbon microspheres as photocatalysts for effective remediation of pharmaceuticals under simulated solar light. Separation and Purification Technology, 2021, 275, 119169.	3.9	38
9	Thiamethoxam removal by Fenton and biological oxidation. Journal of Chemical Technology and Biotechnology, 2020, 95, 913-921.	1.6	11
10	Biological oxidation of cholineâ€based ionic liquids in sequencing batch reactors. Journal of Chemical Technology and Biotechnology, 2020, 95, 922-931.	1.6	7
11	Control of selectivity in the reduction of nitrate by shielding of Pdâ€“Cu/C catalysts with AOT. Journal of Industrial and Engineering Chemistry, 2020, 82, 42-49.	2.9	10
12	Cation and anion effect on the biodegradability and toxicity of imidazoliumâ€“ and cholineâ€“based ionic liquids. Chemosphere, 2020, 240, 124947.	4.2	73
13	Anaerobic co-digestion of the process water from waste activated sludge hydrothermally treated with primary sewage sludge. A new approach for sewage sludge management. Renewable Energy, 2020, 146, 435-443.	4.3	45
14	Structured photocatalysts for the removal of emerging contaminants under visible or solar light. , 2020, , 41-98.		6
15	Toxicity and inhibition assessment of ionic liquids by activated sludge. Ecotoxicology and Environmental Safety, 2020, 187, 109836.	2.9	25
16	Metalâ€“organic frameworks for water purification. , 2020, , 241-283.		5
17	Understanding Hydrodechlorination of Chloromethanes. Past and Future of the Technology. Catalysts, 2020, 10, 1462.	1.6	8
18	Removal of emerging pollutants in aqueous phase by heterogeneous Fenton and photo-Fenton with Fe2O3-TiO2-clay heterostructures. Environmental Science and Pollution Research, 2020, 27, 38434-38445.	2.7	29

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19	High load drug release systems based on carbon porous nanocapsule carriers. Ibuprofen case study. Journal of Materials Chemistry B, 2020, 8, 5293-5304.	2.9	21
20	Deactivation and regeneration of activated carbon-supported Rh and Ru catalysts in the hydrodechlorination of chloromethanes into light olefins. Chemical Engineering Journal, 2020, 397, 125479.	6.6	11
21	Thermal Post-Treatments to Enhance the Water Stability of NH2-MIL-125(Ti). Catalysts, 2020, 10, 603.	1.6	30
22	Promoting Light Hydrocarbons Yield by Catalytic Hydrodechlorination of Residual Chloromethanes Using Palladium Supported on Zeolite Catalysts. Catalysts, 2020, 10, 199.	1.6	12
23	Review on Activated Carbons by Chemical Activation with FeCl3. Journal of Carbon Research, 2020, 6, 21.	1.4	86
24	Intensification of catalytic wet peroxide oxidation with microwave radiation: Activity and stability of carbon materials. Separation and Purification Technology, 2019, 209, 301-306.	3.9	24
25	CO₂ Capture by Supported Ionic Liquid Phase: Highlighting the Role of the Particle Size. ACS Sustainable Chemistry and Engineering, 2019, 7, 13089-13097.	3.2	24
26	Selectivity to Olefins in the Hydrodechlorination of Chloroform with Activated Carbon-Supported Palladium Catalysts. Industrial & Engineering Chemistry Research, 2019, 58, 20592-20600.	1.8	9
27	Recycling of Gas Phase Residual Dichloromethane by Hydrodechlorination: Regeneration of Deactivated Pd/C Catalysts. Catalysts, 2019, 9, 733.	1.6	9
28	Effect of Activating Agent on the Properties of TiO2/Activated Carbon Heterostructures for Solar Photocatalytic Degradation of Acetaminophen. Materials, 2019, 12, 378.	1.3	51
29	Photostability and photocatalytic degradation of ionic liquids in water under solar light. RSC Advances, 2019, 9, 2026-2033.	1.7	18
30	Mixed Ti-Zr metal-organic-frameworks for the photodegradation of acetaminophen under solar irradiation. Applied Catalysis B: Environmental, 2019, 253, 253-262.	10.8	137
31	N-Doped CMK-3 Carbons Supporting Palladium Nanoparticles as Catalysts for Hydrodechlorination. Industrial & Engineering Chemistry Research, 2019, 58, 4355-4363.	1.8	22
32	Reaction pathways of heat-activated persulfate oxidation of naphthenic acids in the presence and absence of dissolved oxygen in water. Chemical Engineering Journal, 2019, 370, 695-705.	6.6	24
33	Iron catalyst supported on modified kaolin for catalytic wet peroxide oxidation. Clay Minerals, 2019, 54, 67-73.	0.2	10
34	Low-Cost Activated Grape Seed-Derived Hydrochar through Hydrothermal Carbonization and Chemical Activation for Sulfamethoxazole Adsorption. Applied Sciences (Switzerland), 2019, 9, 5127.	1.3	33
35	Production of hydrogen from brewery wastewater by aqueous phase reforming with Pt/C catalysts. Applied Catalysis B: Environmental, 2019, 245, 367-375.	10.8	39
36	Anaerobic co-digestion of the aqueous phase from hydrothermally treated waste activated sludge with primary sewage sludge. A kinetic study. Journal of Environmental Management, 2019, 231, 726-733.	3.8	48

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37	Removal of imidazolium-based ionic liquid by coupling Fenton and biological oxidation. Journal of Hazardous Materials, 2019, 365, 289-296.	6.5	28
38	Catalytic wet peroxide oxidation of imidazolium-based ionic liquids: Catalyst stability and biodegradability enhancement. Chemical Engineering Journal, 2019, 376, 120431.	6.6	13
39	Semiconductor Photocatalysis for Water Purification. , 2019, , 581-651.		68
40	A Review on the Synthesis and Characterization of Metal Organic Frameworks for Photocatalytic Water Purification. Catalysts, 2019, 9, 52.	1.6	215
41	C-modified TiO2 using lignin as carbon precursor for the solar photocatalytic degradation of acetaminophen. Chemical Engineering Journal, 2019, 358, 1574-1582.	6.6	82
42	Valorization of microalgal biomass by hydrothermal carbonization and anaerobic digestion. Bioresource Technology, 2019, 274, 395-402.	4.8	66
43	Mesophilic anaerobic co-digestion of the organic fraction of municipal solid waste with the liquid fraction from hydrothermal carbonization of sewage sludge. Waste Management, 2018, 76, 315-322.	3.7	72
44	Enhancement of the activity of Pd/C catalysts in aqueous phase hydrodechlorination through doping of carbon supports. Catalysis Science and Technology, 2018, 8, 2598-2605.	2.1	19
45	Twoâ€step persulfate and Fenton oxidation of naphthenic acids in water. Journal of Chemical Technology and Biotechnology, 2018, 93, 2262-2270.	1.6	13
46	Electrolysis with diamond anodes: Eventually, there are refractory species!. Chemosphere, 2018, 195, 771-776.	4.2	18
47	Removal of imidazolium- and pyridinium-based ionic liquids by Fenton oxidation. Environmental Science and Pollution Research, 2018, 25, 34930-34937.	2.7	33
48	Effect of inoculum source and initial concentration on the anaerobic digestion of the liquid fraction from hydrothermal carbonisation of sewage sludge. Renewable Energy, 2018, 127, 697-704.	4.3	69
49	Cyclohexanoic acid breakdown by two-step persulfate and heterogeneous Fenton-like oxidation. Applied Catalysis B: Environmental, 2018, 232, 429-435.	10.8	31
50	Valorization of chloromethanes by hydrodechlorination with metallic catalysts. Catalysis Today, 2018, 310, 75-85.	2.2	21
51	Adsorption of antipyrine by activated carbons from FeCl3-activation of Tara gum. Chemical Engineering Journal, 2018, 333, 58-65.	6.6	92
52	Effect of structural ordering of the carbon support on the behavior of Pd catalysts in aqueous-phase hydrodechlorination. Chemical Engineering Science, 2018, 176, 400-408.	1.9	13
53	Valorisation of the liquid fraction from hydrothermal carbonisation of sewage sludge by anaerobic digestion. Journal of Chemical Technology and Biotechnology, 2018, 93, 450-456.	1.6	59
54	Properties of Carbon-supported Precious Metals Catalysts under Reductive Treatment and Their Influence in the Hydrodechlorination of Dichloromethane. Catalysts, 2018, 8, 664.	1.6	9

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55	A Review on the Synthesis and Characterization of Biomass-Derived Carbons for Adsorption of Emerging Contaminants from Water. Journal of Carbon Research, 2018, 4, 63.	1.4	80
56	Exploration of the treatment of fish-canning industry effluents by aqueous-phase reforming using Pt/C catalysts. Environmental Science: Water Research and Technology, 2018, 4, 1979-1987.	1.2	16
57	Stability of carbon-supported iron catalysts for catalytic wet peroxide oxidation of ionic liquids. Journal of Environmental Chemical Engineering, 2018, 6, 6444-6450.	3.3	7
58	Activated carbon as catalyst for microwave-assisted wet peroxide oxidation of aromatic hydrocarbons. Environmental Science and Pollution Research, 2018, 25, 27748-27755.	2.7	13
59	Catalytic reduction of bromate over catalysts based on Pd nanoparticles synthesized via water-in-oil microemulsion. Applied Catalysis B: Environmental, 2018, 237, 206-213.	10.8	19
60	Assessment the ecotoxicity and inhibition of imidazolium ionic liquids by respiration inhibition assays. Ecotoxicology and Environmental Safety, 2018, 162, 29-34.	2.9	31
61	Chloroform conversion into ethane and propane by catalytic hydrodechlorination with Pd supported on activated carbons from lignin. Catalysis Science and Technology, 2018, 8, 3926-3935.	2.1	21
62	Anaerobic Co-digestion of the Organic Fraction of Municipal Solid Waste and the Liquid Fraction From the Hydrothermal Carbonization of Industrial Sewage Sludge Under Thermophilic Conditions. Frontiers in Sustainable Food Systems, 2018, 2, .	1.8	13
63	Platinum and N-doped carbon nanostructures as catalysts in hydrodechlorination reactions. Applied Catalysis B: Environmental, 2018, 238, 609-617.	10.8	32
64	From kinetics to equilibrium control in CO2 capture columns using Encapsulated Ionic Liquids (ENILs). Chemical Engineering Journal, 2018, 348, 661-668.	6.6	46
65	Zr-doped TiO2 supported on delaminated clay materials for solar photocatalytic treatment of emerging pollutants. Journal of Hazardous Materials, 2017, 322, 233-242.	6.5	97
66	CWPO of bisphenol A with iron catalysts supported on microporous carbons from grape seeds activation. Chemical Engineering Journal, 2017, 318, 153-160.	6.6	25
67	Innovative W-doped titanium dioxide anchored on clay for photocatalytic removal of atrazine. Catalysis Today, 2017, 280, 21-28.	2.2	73
68	Dechlorination and oxidative degradation of 4-chlorophenol with nanostructured iron-silver alginate beads. Journal of Environmental Chemical Engineering, 2017, 5, 838-842.	3.3	16
69	Application of CWPO to the treatment of pharmaceutical emerging pollutants in different water matrices with a ferromagnetic catalyst. Journal of Hazardous Materials, 2017, 331, 45-54.	6.5	64
70	Effect of the operating conditions on the colloidal and microemulsion synthesis of Pt in aqueous phase. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 525, 77-84.	2.3	5
71	Metal-surfactant interaction as a tool to control the catalytic selectivity of Pd catalysts. Applied Catalysis A: General, 2017, 529, 32-39.	2.2	9
72	Enhanced anaerobic degradability of highly polluted pesticides-bearing wastewater under thermophilic conditions. Journal of Hazardous Materials, 2017, 339, 320-329.	6.5	30

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73	Combining HDC and CWPO for the removal of p -chloro- m -cresol from water under ambient-like conditions. Applied Catalysis B: Environmental, 2017, 216, 20-29.	10.8	13
74	Hollow Nitrogen- or Boron-Doped Carbon Submicrospheres with a Porous Shell: Preparation and Application as Supports for Hydrodechlorination Catalysts. Industrial & Engineering Chemistry Research, 2017, 56, 7665-7674.	1.8	19
75	Kinetic modeling of wet peroxide oxidation with a carbon black catalyst. Applied Catalysis B: Environmental, 2017, 209, 701-710.	10.8	22
76	Synthesis, characterization and application of nanoscale zero-valent iron in the degradation of the azo dye Disperse Red 1. Journal of Environmental Chemical Engineering, 2017, 5, 628-634.	3.3	37
77	Fixed-bed adsorption of ionic liquids onto activated carbon from aqueous phase. Journal of Environmental Chemical Engineering, 2017, 5, 5347-5351.	3.3	26
78	P-, B- and N-doped carbon black for the catalytic wet peroxide oxidation of phenol: Activity, stability and kinetic studies. Catalysis Communications, 2017, 102, 131-135.	1.6	19
79	Effect of the Ptâ€“Pd molar ratio in bimetallic catalysts supported on sulfated zirconia on the gas-phase hydrodechlorination of chloromethanes. Journal of Catalysis, 2017, 352, 562-571.	3.1	25
80	Selective Reduction of Nitrite to Nitrogen with Carbon-Supported Pdâ€“AOT Nanoparticles. Industrial & Engineering Chemistry Research, 2017, 56, 11745-11754.	1.8	11
81	An overview on the application of advanced oxidation processes for the removal of naphthenic acids from water. Critical Reviews in Environmental Science and Technology, 2017, 47, 1337-1370.	6.6	27
82	Microwave-assisted catalytic wet peroxide oxidation. Comparison of Fe catalysts supported on activated carbon and ?-alumina. Applied Catalysis B: Environmental, 2017, 218, 637-642.	10.8	47
83	Polymer-based spherical activated carbon as catalytic support for hydrodechlorination reactions. Applied Catalysis B: Environmental, 2017, 218, 498-505.	10.8	31
84	Iron catalysts by chemical activation of sewage sludge with FeCl 3 for CWPO. Chemical Engineering Journal, 2017, 318, 224-230.	6.6	72
85	Naturally-occurring iron minerals as inexpensive catalysts for CWPO. Applied Catalysis B: Environmental, 2017, 203, 166-173.	10.8	61
86	Degradation of emerging pollutants in water under solar irradiation using novel TiO 2 -ZnO/clay nanoarchitectures. Chemical Engineering Journal, 2017, 309, 596-606.	6.6	134
87	Ag-Coated Heterostructures of ZnO-TiO2/Delaminated Montmorillonite as Solar Photocatalysts. Materials, 2017, 10, 960.	1.3	39
88	Improved synthesis and hydrothermal stability of Pt/C catalysts based on size-controlled nanoparticles. Catalysis Science and Technology, 2016, 6, 5196-5206.	2.1	29
89	On the effect of Ce incorporation on pillared clay-supported Pt and Ir catalysts for aqueous-phase hydrodechlorination. Applied Catalysis B: Environmental, 2016, 197, 236-243.	10.8	17
90	UV-LED assisted catalytic wet peroxide oxidation with a Fe(II)-Fe(III)/activated carbon catalyst. Applied Catalysis B: Environmental, 2016, 192, 350-356.	10.8	36

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91	Fouling control in membrane bioreactors with sewage-sludge based adsorbents. Water Research, 2016, 105, 65-75.	5.3	18
92	Application of intensified Fenton oxidation to the treatment of hospital wastewater: Kinetics, ecotoxicity and disinfection. Journal of Environmental Chemical Engineering, 2016, 4, 4107-4112.	3.3	45
93	Carbon Materials from Lignin and Their Applications. Biofuels and Biorefineries, 2016, , 217-262.	0.5	8
94	Mineralization of naphtenic acids with thermally-activated persulfate: The important role of oxygen. Journal of Hazardous Materials, 2016, 318, 355-362.	6.5	48
95	Encapsulated Ionic Liquids for CO₂ Capture: Using 1â€Butylâ€methylimidazolium Acetate for Quick and Reversible CO₂ Chemical Absorption.. ChemPhysChem, 2016, 17, 3891-3899.	1.0	51
96	Improving the Fenton process by visible LED irradiation. Environmental Science and Pollution Research, 2016, 23, 23449-23455.	2.7	15
97	Biomass-Derived Microporous Carbon Materials with an Open Structure of Cross-Linked Sub-microfibers with Enhanced Adsorption Characteristics. Energy & Fuels, 2016, 30, 9510-9516.	2.5	0
98	Dechlorination of Dichloromethane by Hydrotreatment with Bimetallic Pd-Pt/C Catalyst. Catalysis Letters, 2016, 146, 2614-2621.	1.4	13
99	Platinum Nanoparticles Supported on Activated Carbon Catalysts for the Gas-Phase Hydrodechlorination of Dichloromethane: Influence of Catalyst Composition and Operating Conditions. Nanomaterials and Nanotechnology, 2016, 6, 18.	1.2	7
100	Ammonia capture from the gas phase by encapsulated ionic liquids (ENILs). RSC Advances, 2016, 6, 61650-61660.	1.7	45
101	Degradation of imidazolium-based ionic liquids by catalytic wet peroxide oxidation with carbon and magnetic iron catalysts. Journal of Chemical Technology and Biotechnology, 2016, 91, 2882-2887.	1.6	18
102	Diuron Multilayer Adsorption on Activated Carbon from CO₂Activation of Grape Seeds. Chemical Engineering Communications, 2016, 203, 103-113.	1.5	21
103	Enhanced activity of carbon-supported Pdâ€“Pt catalysts in the hydrodechlorination of dichloromethane. Applied Catalysis B: Environmental, 2016, 184, 55-63.	10.8	38
104	Solar photocatalytic purification of water with Ce-doped TiO2/clay heterostructures. Catalysis Today, 2016, 266, 36-45.	2.2	69
105	Catalysts based on large size-controlled Pd nanoparticles for aqueous-phase hydrodechlorination. Chemical Engineering Journal, 2016, 294, 40-48.	6.6	27
106	Multiple approaches to control and assess the size of Pd nanoparticles synthesized via water-in-oil microemulsion. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 497, 28-34.	2.3	19
107	On the performance of Pd and Rh catalysts over different supports in the hydrodechlorination of the MCPA herbicide. Applied Catalysis B: Environmental, 2016, 186, 151-156.	10.8	19
108	Assessment of toxicity and biodegradability on activated sludge of priority and emerging pollutants. Environmental Technology (United Kingdom), 2016, 37, 713-721.	1.2	35

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109	Degradation of organochlorinated pollutants in water by catalytic hydrodechlorination and photocatalysis. Catalysis Today, 2016, 266, 168-174.	2.2	23
110	Analysis of the deactivation of Pd, Pt and Rh on activated carbon catalysts in the hydrodechlorination of the MCPA herbicide. Applied Catalysis B: Environmental, 2016, 181, 429-435.	10.8	31
111	On the optimization of activated carbon-supported iron catalysts in catalytic wet peroxide oxidation process. Applied Catalysis B: Environmental, 2016, 181, 249-259.	10.8	53
112	Colloidal and microemulsion synthesis of rhenium nanoparticles in aqueous medium. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 469, 202-210.	2.3	16
113	Kinetic Study of the Hydrodechlorination of Chloromethanes with Activated-Carbon-Supported Metallic Catalysts. Industrial & Engineering Chemistry Research, 2015, 54, 2023-2029.	1.8	13
114	Short-term fouling control by cyclic aeration in membrane bioreactors for cosmetic wastewater treatment. Desalination and Water Treatment, 2015, 56, 3599-3606.	1.0	11
115	Application of Fenton-like oxidation as pre-treatment for carbamazepine biodegradation. Chemical Engineering Journal, 2015, 264, 856-862.	6.6	60
116	Activity enhancement and selectivity tuneability in aqueous phase hydrodechlorination by use of controlled growth Pd-Rh nanoparticles. Applied Catalysis B: Environmental, 2015, 168-169, 283-292.	10.8	29
117	Gas-phase hydrodechlorination of mixtures of chloromethanes with activated carbon-supported platinum catalysts. Applied Catalysis B: Environmental, 2015, 179, 551-557.	10.8	26
118	Catalytic hydrodechlorination of p-chloro-m-cresol and 2,4,6-trichlorophenol with Pd and Rh supported on Al-pillared clays. Chemical Engineering Journal, 2015, 273, 363-370.	6.6	19
119	Titaniaâ€“clay heterostructures with solar photocatalytic applications. Applied Catalysis B: Environmental, 2015, 176-177, 278-287.	10.8	78
120	Preparation of magnetite-based catalysts and their application in heterogeneous Fenton oxidation â€“ A review. Applied Catalysis B: Environmental, 2015, 176-177, 249-265.	10.8	593
121	Trends in the Intensification of the Fenton Process for Wastewater Treatment: An Overview. Critical Reviews in Environmental Science and Technology, 2015, 45, 2611-2692.	6.6	191
122	Hydrodechlorination activity of catalysts based on nitrogen-doped carbons from low-density polyethylene. Carbon, 2015, 87, 444-452.	5.4	16
123	Ozone as oxidation agent in cyclic activation of biochar. Fuel Processing Technology, 2015, 139, 42-48.	3.7	43
124	Deactivation of a Pd/AC catalyst in the hydrodechlorination of chlorinated herbicides. Catalysis Today, 2015, 241, 86-91.	2.2	30
125	Ionic liquids breakdown by Fenton oxidation. Catalysis Today, 2015, 240, 16-21.	2.2	64
126	Application of highâ€temperature Fenton oxidation for the treatment of sulfonation plant wastewater. Journal of Chemical Technology and Biotechnology, 2015, 90, 1839-1846.	1.6	22

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127	Deactivation behavior of Pd/C and Pt/C catalysts in the gas-phase hydrodechlorination of chloromethanes: Structureâ€“reactivity relationship. Applied Catalysis B: Environmental, 2015, 162, 532-543.	10.8	40
128	Comparison of bioaugmented EGSB and GACâ€“FBB reactors and their combination with aerobic SBR for the abatement of chlorophenols. Chemical Engineering Journal, 2015, 259, 277-285.	6.6	25
129	Treatment of cosmetic wastewater by a full-scale membrane bioreactor (MBR). Environmental Science and Pollution Research, 2014, 21, 12662-12670.	2.7	17
130	Anaerobic biodegradability of mixtures of pesticides in an expanded granular sludge bed reactor. Water Science and Technology, 2014, 69, 532-538.	1.2	13
131	Degradation of imidazoliumâ€based ionic liquids in aqueous solution by Fenton oxidation. Journal of Chemical Technology and Biotechnology, 2014, 89, 1197-1202.	1.6	53
132	Kinetic Analysis of 4-Chlorophenol Hydrodechlorination Catalyzed by Rh Nanoparticles Based on the Two-Step Reaction and Langmuirâ€“Hinshelwood Mechanisms. Catalysis Letters, 2014, 144, 2080-2085.	1.4	9
133	Graphite and carbon black materials as catalysts for wet peroxide oxidation. Applied Catalysis B: Environmental, 2014, 144, 599-606.	10.8	54
134	Catalytic HDC/HDN of 4-chloronitrobenzene in water under ambient-like conditions with Pd supported on pillared clay. Applied Catalysis B: Environmental, 2014, 158-159, 175-181.	10.8	36
135	Complete degradation of the persistent antiâ€depressant sertraline in aqueous solution by solar photoâ€Fenton oxidation. Journal of Chemical Technology and Biotechnology, 2014, 89, 814-818.	1.6	19
136	Treatment of real winery wastewater by wet oxidation at mild temperature. Separation and Purification Technology, 2014, 129, 121-128.	3.9	45
137	Effect of size and oxidation state of size-controlled rhodium nanoparticles on the aqueous-phase hydrodechlorination of 4-chlorophenol. Chemical Engineering Journal, 2014, 240, 271-280.	6.6	55
138	Aqueous-phase hydrodechlorination of chlorophenols with pillared clays-supported Pt, Pd and Rh catalysts. Applied Catalysis B: Environmental, 2014, 148-149, 330-338.	10.8	110
139	Improved Î³-alumina-supported Pd and Rh catalysts for hydrodechlorination of chlorophenols. Applied Catalysis A: General, 2014, 488, 78-85.	2.2	35
140	Activation of waste tire char by cyclic liquid-phase oxidation. Fuel Processing Technology, 2014, 127, 157-162.	3.7	25
141	Fate of iron oxalates in aqueous solution: The role of temperature, iron species and dissolved oxygen. Journal of Environmental Chemical Engineering, 2014, 2, 2236-2241.	3.3	18
142	Application of intensified Fenton oxidation to the treatment of sawmill wastewater. Chemosphere, 2014, 109, 34-41.	4.2	57
143	Strategies to evaluate biodegradability: application to chlorinated herbicides. Environmental Science and Pollution Research, 2014, 21, 9445-9452.	2.7	28
144	Preparation of granular activated carbons from grape seeds by cycles of liquid phase oxidation and thermal desorption. Fuel Processing Technology, 2014, 118, 148-155.	3.7	23

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145	Coupling Fenton and biological oxidation for the removal of nitrochlorinated herbicides from water. Water Research, 2014, 49, 197-206.	5.3	43
146	Kinetics of wet peroxide oxidation of phenol with a gold/activated carbon catalyst. Chemical Engineering Journal, 2014, 253, 486-492.	6.6	34
147	Combining efficiently catalytic hydrodechlorination and wet peroxide oxidation (HDCâ€“CWPO) for the abatement of organochlorinated water pollutants. Applied Catalysis B: Environmental, 2014, 150-151, 197-203.	10.8	22
148	ANALYSIS OF THE OPERATING CONDITIONS IN THE TREATMENT OF COSMETIC WASTEWATER BY SEQUENCING BATCH REACTORS. Environmental Engineering and Management Journal, 2014, 13, 2955-2962.	0.2	7
149	Improved wet peroxide oxidation strategies for the treatment of chlorophenols. Chemical Engineering Journal, 2013, 228, 646-654.	6.6	25
150	Low-temperature anaerobic treatment of low-strength pentachlorophenol-bearing wastewater. Bioresource Technology, 2013, 140, 349-356.	4.8	24
151	Development of porosity upon physical activation of grape seeds char by gas phase oxygen chemisorptionâ€“desorption cycles. Chemical Engineering Journal, 2013, 231, 172-181.	6.6	23
152	Oxidation Reactivity and Structure of LDPE-Derived Solid Carbons: A Temperature-Programmed Oxidation Study. Energy & Fuels, 2013, 27, 1151-1161.	2.5	14
153	Highly efficient application of activated carbon as catalyst for wet peroxide oxidation. Applied Catalysis B: Environmental, 2013, 140-141, 663-670.	10.8	91
154	Case study of the application of Fenton process to highly polluted wastewater from power plant. Journal of Hazardous Materials, 2013, 252-253, 180-185.	6.5	40
155	Degradation of chlorophenoxy herbicides by coupled Fenton and biological oxidation. Chemosphere, 2013, 93, 115-122.	4.2	53
156	Preparation of hollow submicrocapsules with a mesoporous carbon shell. Carbon, 2013, 59, 430-438.	5.4	21
157	Porous structure and morphology of granular chars from flash and conventional pyrolysis of grape seeds. Biomass and Bioenergy, 2013, 54, 123-132.	2.9	50
158	Colloidal templating synthesis and adsorption characteristics of microporousâ€“mesoporous carbons from Kraft lignin. Carbon, 2013, 62, 233-239.	5.4	46
159	Activated carbon supported metal catalysts for reduction of nitrate in water with high selectivity towards N2. Applied Catalysis B: Environmental, 2013, 138-139, 141-148.	10.8	69
160	Identification of by-products and toxicity assessment in aqueous-phase hydrodechlorination of diuron with palladium on activated carbon catalysts. Chemosphere, 2013, 91, 1317-1323.	4.2	13
161	Chlorophenols breakdown by a sequential hydrodechlorination-oxidation treatment with a magnetic Pdâ€“Fe/Î³-Al2O3 catalyst. Water Research, 2013, 47, 3070-3080.	5.3	45
162	The use of cyclic voltammetry to assess the activity of carbon materials for hydrogen peroxide decomposition. Carbon, 2013, 60, 76-83.	5.4	43

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163	A ferromagnetic Î³-alumina-supported iron catalyst for CWPO. Application to chlorophenols. Applied Catalysis B: Environmental, 2013, 136-137, 218-224.	10.8	77
164	Optimized ionic liquids for toluene absorption. AICHE Journal, 2013, 59, 1648-1656.	1.8	90
165	Interactions of Ionic Liquids and Acetone: Thermodynamic Properties, Quantum-Chemical Calculations, and NMR Analysis. Journal of Physical Chemistry B, 2013, 117, 7388-7398.	1.2	68
166	Comparison of different precious metals in activated carbon-supported catalysts for the gas-phase hydrodechlorination of chloromethanes. Applied Catalysis B: Environmental, 2013, 132-133, 256-265.	10.8	59
167	On the Kinetics of Ionic Liquid Adsorption onto Activated Carbons from Aqueous Solution. Industrial & Engineering Chemistry Research, 2013, 52, 2969-2976.	1.8	32
168	Enhanced Pd pillared clays by Rh inclusion for the catalytic hydrodechlorination of chlorophenols in water. Water Science and Technology, 2012, 65, 653-660.	1.2	9
169	Removal of chlorinated organic volatile compounds by gas phase adsorption with activated carbon. Chemical Engineering Journal, 2012, 211-212, 246-254.	6.6	99
170	Adsorption of 4-chlorophenol by inexpensive sewage sludge-based adsorbents. Chemical Engineering Research and Design, 2012, 90, 1807-1814.	2.7	58
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