Justo Lobato

List of Publications by Year
in descending order

151 papers	7,504 citations	46984 47 h-index	58549 82 g-index
153 all docs	153 docs citations	153 times ranked	5587 citing authors

#	Article	IF	Citations
1	Can the green energies improve the sustainability of electrochemically-assisted soil remediation processes?. Science of the Total Environment, 2022, 803, 149991.	3.9	3
2	Adapting the low-cost pre-disinfection column PREDICO for simultaneous softening and disinfection of pore water. Chemosphere, 2022, 287, 132334.	4.2	1
3	Scale-up in PEM electro-ozonizers for the degradation of organics. Separation and Purification Technology, 2022, 284, 120261.	3.9	8
4	Characterization of PBI/Graphene Oxide Composite Membranes for the SO2 Depolarized Electrolysis at High Temperature. Membranes, 2022, 12, 116.	1.4	9
5	Improving stability of chloralkaline high-temperature PBI-PEMFCs. Journal of Electroanalytical Chemistry, 2022, 904, 115940.	1.9	1
6	Electrospray Deposition of Catalyst Layers with Ultralow Pt Loading for Cost-Effective H₂ Production by SO₂ Electrolysis. ACS Applied Energy Materials, 2022, 5, 2138-2149.	2.5	8
7	Electrolytic removal of volatile organic compounds: Keys to understand the process. Journal of Electroanalytical Chemistry, 2022, 912, 116259.	1.9	11
8	Production of value-added substances from the electrochemical oxidation of volatile organic compounds in methanol medium. Chemical Engineering Journal, 2022, 440, 135803.	6.6	12
9	Using solar power regulation to electrochemically capture carbon dioxide: Process integration and case studies. Energy Reports, 2022, 8, 4957-4963.	2.5	5
10	Influence of current density and inlet gas flow in the treatment of gaseous streams polluted with benzene by electro-absorption. Electrochimica Acta, 2022, 423, 140610.	2.6	5
11	Enhancement of SO2 high temperature depolarized electrolysis by means of graphene oxide composite polybenzimidazole membranes. Journal of Cleaner Production, 2022, 363, 132372.	4.6	7
12	Highly Efficient Electrochemical Production of Hydrogen Peroxide Using the GDE Technology. Industrial & Engineering Chemistry Research, 2022, 61, 10660-10669.	1.8	12
13	Improving sustainability of electrolytic wastewater treatment processes by green powering. Science of the Total Environment, 2021, 754, 142230.	3.9	17
14	Modelling of the treatment of wastewater by photovoltaic solar electrochemical oxidation (PSEO) assisted by redox-flow batteries. Journal of Water Process Engineering, 2021, 40, 101974.	2.6	9
15	Toward more sustainable photovoltaic solar electrochemical oxidation treatments: Influence of hydraulic and electrical distribution. Journal of Environmental Management, 2021, 285, 112064.	3.8	16
16	Management of solar energy to power electrochemical wastewater treatments. Journal of Water Process Engineering, 2021, 41, 102056.	2.6	10
17	Platinum Recovery Techniques for a Circular Economy. Catalysts, 2021, 11, 937.	1.6	17
18	Electroscrubbers for removing volatile organic compounds and odorous substances from polluted gaseous streams. Current Opinion in Electrochemistry, 2021, 28, 100718.	2.5	4

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19	First approaches for hydrogen production by the depolarized electrolysis of SO2 using phosphoric acid doped polybenzimidazole membranes. International Journal of Hydrogen Energy, 2021, 46, 29763-29773.	3.8	8
20	Chloralkali low temperature PEM reversible electrochemical cells. Electrochimica Acta, 2021, 387, 138542.	2.6	5
21	Evaluation of Goethite as a Catalyst for the Thermal Stage of the Westinghouse Process for Hydrogen Production. Catalysts, 2021, 11, 1145.	1.6	1
22	Platinum: A key element in electrode composition for reversible chloralkaline electrochemical cells. International Journal of Hydrogen Energy, 2021, 46, 32602-32611.	3.8	4
23	Towards the Electrochemical Retention of CO₂: Is it Worth it?. ChemElectroChem, 2021, 8, 3947-3953.	1.7	4
24	Impact of carbonaceous particles concentration in a nanofluidic electrolyte for vanadium redox flow batteries. Carbon, 2020, 156, 287-298.	5.4	19
25	Synthesis and characterization of Pt on novel catalyst supports for the H2 production in the Westinghouse cycle. International Journal of Hydrogen Energy, 2020, 45, 25672-25680.	3.8	11
26	Prediction and management of solar energy to power electrochemical processes for the treatment of wastewater effluents. Electrochimica Acta, 2020, 335, 135594.	2.6	13
27	Environmental and Preliminary Cost Assessments of Redox Flow Batteries for Renewable Energy Storage. Energy Technology, 2020, 8, 1900914.	1.8	37
28	Recent Progress in Catalysts for Hydrogen-Chlorine Regenerative Fuel Cells. Catalysts, 2020, 10, 1263.	1.6	16
29	Storage of energy using a gas-liquid H2/Cl2 fuel cell: A first approach to electrochemically-assisted absorbers. Chemosphere, 2020, 254, 126795.	4.2	13
30	Electro-disinfection with BDD-electrodes featuring PEM technology. Separation and Purification Technology, 2020, 248, 117081.	3.9	28
31	How to avoid the formation of hazardous chlorates and perchlorates during electro-disinfection with diamond anodes?. Journal of Environmental Management, 2020, 265, 110566.	3.8	11
32	Effect of the anode composition on the performance of reversible chlor-alkali electro-absorption cells. Separation and Purification Technology, 2020, 248, 117017.	3.9	9
33	Importance of Electrode Tailoring in the Coupling of Electrolysis with Renewable Energy. ChemElectroChem, 2020, 7, 2925-2932.	1.7	4
34	Testing the use of cells equipped with solid polymer electrolytes for electro-disinfection. Science of the Total Environment, 2020, 725, 138379.	3.9	26
35	Strategies for powering electrokinetic soil remediation: A way to optimize performance of the environmental technology. Journal of Environmental Management, 2020, 267, 110665.	3.8	24
36	Operating the CabECOÂ® membrane electrolytic technology in continuous mode for the direct disinfection of highly fecal-polluted water. Separation and Purification Technology, 2019, 208, 110-115.	3.9	30

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37	Environmental applications of electrochemical technology. What is needed to enable full-scale applications?. Current Opinion in Electrochemistry, 2019, 16, 149-156.	2.5	87
38	Powering with Solar Energy the Anodic Oxidation of Wastewater Polluted with Pesticides. ACS Sustainable Chemistry and Engineering, 2019, 7, 8303-8309.	3.2	24
39	Review of Anodic Catalysts for SO2 Depolarized Electrolysis for â€œGreen Hydrogenâ€•Production. Catalysts, 2019, 9, 63.	1.6	44
40	Thermally-treated algal suspensions as fuel for microbial fuel cells. Journal of Electroanalytical Chemistry, 2018, 814, 77-82.	1.9	6
41	Towards the sustainable powering of the electrocoagulation of wastewater through the use of solar-vanadium redox flow battery: A first approach. Electrochimica Acta, 2018, 270, 14-21.	2.6	17
42	Influence of the ion-exchange membrane on the performance of double-compartment microbial fuel cells. Journal of Electroanalytical Chemistry, 2018, 808, 427-432.	1.9	35
43	Algal biomass as fuel for stackedâ€MFCs for profitable, sustainable and carbon neutral bioenergy generation. Journal of Chemical Technology and Biotechnology, 2018, 93, 287-293.	1.6	9
44	Vanadium redox flow batteries for the storage of electricity produced in wind turbines. International Journal of Energy Research, 2018, 42, 720-730.	2.2	29
45	Pre-disinfection columns to improve the performance of the direct electro-disinfection of highly faecal-polluted surface water. Journal of Environmental Management, 2018, 222, 135-140.	3.8	12
46	Influence of hydraulic retention time and carbon loading rate on the production of algae. Journal of Biotechnology, 2018, 282, 70-79.	1.9	6
47	Influence of the initial sludge characteristics and acclimation on the long-term performance of double-compartment acetate-fed microbial fuel cells. Journal of Electroanalytical Chemistry, 2018, 825, 1-7.	1.9	6
48	Enhancement of Electrode Stability Using Platinumâ€"Cobalt Nanocrystals on a Novel Composite SiCTiC Support. ACS Applied Materials & Interfaces, 2017, 9, 5927-5936.	4.0	31
49	Selection of cheap electrodes for two-compartment microbial fuel cells. Journal of Electroanalytical Chemistry, 2017, 785, 235-240.	1.9	51
50	SiCTiC as catalyst support for HT-PEMFCs. Influence of Ti content. Applied Catalysis B: Environmental, 2017, 207, 244-254.	10.8	17
51	Improving a Redox Flow Battery Working under Realistic Conditions by Using of Graphene based Nanofluids. ChemistrySelect, 2017, 2, 8446-8450.	0.7	14
52	Highâ€Stability Electrodes for Highâ€Temperature Proton Exchange Membrane Fuel Cells by Using Advanced Nanocarbonaceous Materials. ChemElectroChem, 2017, 4, 3288-3295.	1.7	8
53	Performance of a vanadium redox flow battery for the storage of electricity produced in photovoltaic solar panels. Renewable Energy, 2017, 114, 1123-1133.	4.3	32
54	Towards the scale-up of bioelectrogenic technology: stacking microbial fuel cells to produce larger amounts of electricity. Journal of Applied Electrochemistry, 2017, 47, 1115-1125.	1.5	35

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55	Is microbial fuel cell technology ready? An economic answer towards industrial commercialization. Applied Energy, 2017, 185, 698-707.	5.1	201
56	Composite Titanium Silicon Carbide as a Promising Catalyst Support for Highâ€Temperature Protonâ€Exchange Membrane Fuel Cell Electrodes. ChemCatChem, 2016, 8, 848-854.	1.8	24
57	Enhancement of high temperature PEMFC stability using catalysts based on Pt supported on SiC based materials. Applied Catalysis B: Environmental, 2016, 198, 516-524.	10.8	42
58	Longâ€term effects of the transient COD concentration on the performance of microbial fuel cells. Biotechnology Progress, 2016, 32, 883-890.	1.3	13
59	Influence of the fuel and dosage on the performance of double-compartment microbial fuel cells. Water Research, 2016, 99, 16-23.	5.3	53
60	Life test of a high temperature PEM fuel cell prepared by electrospray. International Journal of Hydrogen Energy, 2016, 41, 20294-20304.	3.8	19
61	Improved Electrodes for High Temperature Proton Exchange Membrane Fuel Cells using Carbon Nanospheres. ChemSusChem, 2016, 9, 1187-1193.	3.6	23
62	PBI-Based Composite Membranes. , 2016, , 275-295.		3
63	Microporous layer based on SiC for high temperature proton exchange membrane fuel cells. Journal of Power Sources, 2015, 288, 288-295.	4.0	27
64	Bioelectro-Claus processes using MFC technology: Influence of co-substrate. Bioresource Technology, 2015, 189, 94-98.	4.8	23
65	Improving of Micro Porous Layer based on Advanced Carbon Materials for High Temperature Proton Exchange Membrane Fuel Cell Electrodes. Fuel Cells, 2015, 15, 375-383.	1.5	31
66	Characterization of light/dark cycle and long-term performance test in a photosynthetic microbial fuel cell. Fuel, 2015, 140, 209-216.	3.4	50
67	Long-term testing of a high-temperature proton exchange membrane fuel cell short stack operated with improved polybenzimidazole-based composite membranes. Journal of Power Sources, 2015, 274, 177-185.	4.0	74
68	Effects of External Resistance on Microbial Fuel Cellâ€™s Performance. Handbook of Environmental Chemistry, 2014, , 175-197.	0.2	14
69	Study of a photosynthetic MFC for energy recovery from synthetic industrial fruit juice wastewater. International Journal of Hydrogen Energy, 2014, 39, 21828-21836.	3.8	37
70	Energy recovery of biogas from juice wastewater through a short high temperature PEMFC stack. International Journal of Hydrogen Energy, 2014, 39, 6937-6943.	3.8	13
71	Microbial Fuel Cell: The Definitive Technological Approach for Valorizing Organic Wastes. Handbook of Environmental Chemistry, 2014, , 287-316.	0.2	6
72	Neuro-evolutionary approach applied for optimizing the PEMFC performance. International Journal of Hydrogen Energy, 2014, 39, 4037-4043.	3.8	8

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73	Durability study of HTPEMFC through current distribution measurements and the application of a model. International Journal of Hydrogen Energy, 2014, 39, 21678-21687.	3.8	17
74	Bioelectricity generation in a self-sustainable Microbial Solar Cell. Bioresource Technology, 2014, 159, 451-454.	4.8	24
75	Lagooning microbial fuel cells: A first approach by coupling electricity-producing microorganisms and algae. Applied Energy, 2013, 110, 220-226.	5.1	96
76	Microbial fuel cell with an algae-assisted cathode: A preliminary assessment. Journal of Power Sources, 2013, 242, 638-645.	4.0	167
77	From biomass to pure hydrogen: Electrochemical reforming of bio-ethanol in a PEM electrolyser. Applied Catalysis B: Environmental, 2013, 134-135, 302-309.	10.8	93
78	Short-term effects of temperature and COD in a microbial fuel cell. Applied Energy, 2013, 101, 213-217.	5.1	129
79	Titanium composite PBI-based membranes for high temperature polymer electrolyte membrane fuel cells. Effect on titanium dioxide amount. RSC Advances, 2012, 2, 1547-1556.	1.7	94
80	Life study of a PBI-PEM fuel cell by current distribution measurement. Journal of Applied Electrochemistry, 2012, 42, 711-718.	1.5	15
81	An easy parameter estimation procedure for modeling a HT-PEMFC. International Journal of Hydrogen Energy, 2012, 37, 11308-11320.	3.8	22
82	Electricity production by integration of acidogenic fermentation of fruit juice wastewater and fuel cells. International Journal of Hydrogen Energy, 2012, 37, 9028-9037.	3.8	28
83	An evaluation of aerobic and anaerobic sludges as start-up material for microbial fuel cell systems. New Biotechnology, 2012, 29, 415-420.	2.4	40
84	Hydrodynamics and Current Distribution Analysis of Bipolar Plates for Direct Ethanol Fuel Cells. ECS Transactions, 2011, 41, 1909-1925.	0.3	1
85	Enhancement of the fuel cell performance of a high temperature proton exchange membrane fuel cell running with titanium composite polybenzimidazole-based membranes. Journal of Power Sources, 2011, 196, 8265-8271.	4.0	78
86	A novel titanium PBI-based composite membrane for high temperature PEMFCs. Journal of Membrane Science, 2011, 369, 105-111.	4.1	96
87	Promising TiOSO₄ Composite Polybenzimidazoleâ€Based Membranes for High Temperature PEMFCs. ChemSusChem, 2011, 4, 1489-1497.	3.6	45
88	Testing PtRu/CNF catalysts for a high temperature polybenzimidazole-based direct ethanol fuel cell. Effect of metal content. Applied Catalysis B: Environmental, 2011, 106, 174-174.	10.8	14
89	Study of flow channel geometry using current distribution measurement in a high temperature polymer electrolyte membrane fuel cell. Journal of Power Sources, 2011, 196, 4209-4217.	4.0	64
90	Scale-up of a high temperature polymer electrolyte membrane fuel cell based on polybenzimidazole. Journal of Power Sources, 2011, 196, 4306-4313.	4.0	34

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91	Modeling of Electrochemical Process for the Treatment of Wastewater Containing Organic Pollutants. , 2010, , 99-124.		0
92	Study of the Catalytic Layer in Polybenzimidazoleâ€based High Temperature PEMFC: Effect of Platinum Content on the Carbon Support. Fuel Cells, 2010, 10, 312-319.	1.5	67
93	Optimisation of the Microporous Layer for a Polybenzimidazoleâ€Based High Temperature PEMFC â€“ Effect of Carbon Content. Fuel Cells, 2010, 10, 770-777.	1.5	44
94	Study of the influence of the amount of PBIâ€“H3PO4 in the catalytic layer of a high temperature PEMFC. International Journal of Hydrogen Energy, 2010, 35, 1347-1355.	3.8	148
95	Three-dimensional model of a 50Âcm2 high temperature PEM fuel cell. Study of the flow channel geometry influence. International Journal of Hydrogen Energy, 2010, 35, 5510-5520.	3.8	123
96	Direct and inverse neural networks modelling applied to study the influence of the gas diffusion layer properties on PBI-based PEM fuel cells. International Journal of Hydrogen Energy, 2010, 35, 7889-7897.	3.8	28
97	Effect of the electron-acceptors on the performance of a MFC. Bioresource Technology, 2010, 101, 7014-7018.	4.8	53
98	Testing a Vapourâ€fed PBIâ€based Direct Ethanol Fuel Cell. Fuel Cells, 2009, 9, 597-604.	1.5	30
99	The neural networks based modeling of a polybenzimidazole-based polymer electrolyte membrane fuel cell: Effect of temperature. Journal of Power Sources, 2009, 192, 190-194.	4.0	44
100	Study of different bimetallic anodic catalysts supported on carbon for a high temperature polybenzimidazole-based direct ethanol fuel cell. Applied Catalysis B: Environmental, 2009, 91, 269-274.	10.8	37
101	Study of the acclimation stage and of the effect of the biodegradability on the performance of a microbial fuel cell. Bioresource Technology, 2009, 100, 4704-4710.	4.8	70
102	Testing Different Catalysts for a Vapor-Fed PBI-Based Direct Ethanol Fuel Cell. , 2009, , .		1
103	Modelling of wastewater electrocoagulation processesPart II: Application to dye-polluted wastewaters and oil-in-water emulsions. Separation and Purification Technology, 2008, 60, 147-154.	3.9	32
104	Influence of the Teflon loading in the gas diffusion layer of PBI-based PEM fuel cells. Journal of Applied Electrochemistry, 2008, 38, 793-802.	1.5	121
105	Modelling of wastewater electrocoagulation processesPart I. General description and application to kaolin-polluted wastewaters. Separation and Purification Technology, 2008, 60, 155-161.	3.9	39
106	Performance of a Vapor-Fed Polybenzimidazole (PBI)-Based Direct Methanol Fuel Cell. Energy & Fuels, 2008, 22, 3335-3345.	2.5	76
107	Advanced oxidation processes for the treatment of olive-oil mills wastewater. Chemosphere, 2007, 67, 832-838.	4.2	167
108	Coagulation and Electrocoagulation of Wastes Polluted with Colloids. Separation Science and Technology, 2007, 42, 2157-2175.	1.3	31

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109	Effect of the Operating Conditions on the Oxidation Mechanisms in Conductive-Diamond Electrolyses. Journal of the Electrochemical Society, 2007, 154, E37.	1.3	83
110	Improved polybenzimidazole films for H3PO4-doped PBI-based high temperature PEMFC. Journal of Membrane Science, 2007, 306, 47-55.	4.1	211
111	Break-up of oil-in-water emulsions by electrochemical techniques. Journal of Hazardous Materials, 2007, 145, 233-240.	6.5	89
112	PBI-based polymer electrolyte membranes fuel cells. Electrochimica Acta, 2007, 52, 3910-3920.	2.6	143
113	Production of electricity from the treatment of urban waste water using a microbial fuel cell. Journal of Power Sources, 2007, 169, 198-204.	4.0	217
114	Measurement of Mass-Transfer Coefficients by an Electrochemical Technique. Journal of Chemical Education, 2006, 83, 1204.	1.1	114
115	Electrochemical Oxidation of Azoic Dyes with Conductive-Diamond Anodes. Industrial & Engineering Chemistry Research, 2006, 45, 3468-3473.	1.8	121
116	Comparison of the Aluminum Speciation in Chemical and Electrochemical Dosing Processes. Industrial & Engineering Chemistry Research, 2006, 45, 8749-8756.	1.8	79
117	Electrochemically Assisted Coagulation of Wastes Polluted with Eriochrome Black T. Industrial & Engineering Chemistry Research, 2006, 45, 3474-3480.	1.8	41
118	Coagulation and Electrocoagulation of Wastes Polluted with Dyes. Environmental Science & Technology, 2006, 40, 6418-6424.	4.6	198
119	Application of <mml:math altimg="si87.gif" display="inline" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/xml/c	1.9	16
120	Advanced oxidation processes for the treatment of wastes polluted with azoic dyes. Electrochimica Acta, 2006, 52, 325-331.	2.6	138
121	A comparison of hydrogen cloud explosion models and the study of the vulnerability of the damage caused by an explosion of H2H2. International Journal of Hydrogen Energy, 2006, 31, 1780-1790.	3.8	36
122	Effect of the catalytic ink preparation method on the performance of high temperature polymer electrolyte membrane fuel cells. Journal of Power Sources, 2006, 157, 284-292.	4.0	85
123	Electrochemical treatment of the effluent of a fine chemical manufacturing plant. Journal of Hazardous Materials, 2006, 138, 173-181.	6.5	83
124	Synthesis and characterisation of poly[2,2-(m-phenylene)-5,5-bibenzimidazole] as polymer electrolyte membrane for high temperature PEMFCs. Journal of Membrane Science, 2006, 280, 351-362.	4.1	197
125	Detoxification of synthetic industrial wastewaters using electrochemical oxidation with boron-doped diamond anodes. Journal of Chemical Technology and Biotechnology, 2006, 81, 352-358.	1.6	38
126	Treatment of Fenton-refractory olive oil mill wastes by electrochemical oxidation with boron-doped diamond anodes. Journal of Chemical Technology and Biotechnology, 2006, 81, 1331-1337.	1.6	96

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127	Electrochemical treatment of diluted cyanide aqueous wastes. Journal of Chemical Technology and Biotechnology, 2005, 80, 565-573.	1.6	58
128	Electrodissolution of Aluminum Electrodes in Electrocoagulation Processes. Industrial & Engineering Chemistry Research, 2005, 44, 4178-4185.	1.8	205
129	Electrochemical oxidation of phenolic wastes with boron-doped diamond anodes. Water Research, 2005, 39, 2687-2703.	5.3	354
130	Electrochemical Synthesis of Peroxodiphosphate Using Boron-Doped Diamond Anodes. Journal of the Electrochemical Society, 2005, 152, D191.	1.3	114
131	Electrochemical Oxidation of Hydroquinone, Resorcinol, and Catechol on Boron-Doped Diamond Anodes. Environmental Science & Technology, 2005, 39, 7234-7239.	4.6	181
132	Continuous Electrocoagulation of Synthetic Colloid-Polluted Wastes. Industrial & Engineering Chemistry Research, 2005, 44, 8171-8177.	1.8	66
133	ReducciÃ³n de cromo hexavalente en cementos usando sulfato ferroso mono y heptahidratado: eficacia y almacenabilidad. Materiales De Construccion, 2005, 55, 39-52.	0.2	3
134	Combined adsorption and electrochemical processes for the treatment of acidic aqueous phenol wastes. Journal of Applied Electrochemistry, 2004, 34, 111-117.	1.5	40
135	Influence of Dispersed Particulates on Mass Transport in Cross-Corrugated Structures. Journal of Applied Electrochemistry, 2004, 34, 631-636.	1.5	1
136	Electrochemical treatment of 2,4-dinitrophenol aqueous wastes using boron-doped diamond anodes. Electrochimica Acta, 2004, 49, 4641-4650.	2.6	122
137	Modeling of Wastewater Electro-oxidation Processes Part II. Application to Active Electrodes. Industrial & Engineering Chemistry Research, 2004, 43, 1923-1931.	1.8	52
138	Electrochemical Oxidation of Polyhydroxybenzenes on Boron-Doped Diamond Anodes. Industrial & Engineering Chemistry Research, 2004, 43, 6629-6637.	1.8	85
139	Electrochemical Treatment of 4-Nitrophenol-Containing Aqueous Wastes Using Boron-Doped Diamond Anodes. Industrial & Engineering Chemistry Research, 2004, 43, 1944-1951.	1.8	208
140	Comparative Study of the Solubility of the Crystalline Layered Silicates Î±-Na2Si2O5and Î´-Na2Si2O5and the Amorphous Silicate Na2Si2O5. Industrial & Engineering Chemistry Research, 2004, 43, 1472-1477.	1.8	12
141	Modeling of Wastewater Electro-oxidation Processes Part I. General Description and Application to Inactive Electrodes. Industrial & Engineering Chemistry Research, 2004, 43, 1915-1922.	1.8	85
142	Electrochemical Oxidation of Aqueous Carboxylic Acid Wastes Using Diamond Thin-Film Electrodes. Industrial & Engineering Chemistry Research, 2003, 42, 956-962.	1.8	104
143	Retention Capacity of the Builder Î´-Na2Si2O5. Modeling the Ca2+/Mg2+/Na+Equilibrium. Industrial & Engineering Chemistry Research, 2003, 42, 3257-3262.	1.8	6
144	Mass Transport in Cross-Corrugated Membranes and the Influence of TiO2for Separation Processes. Industrial & Engineering Chemistry Research, 2003, 42, 5697-5701.	1.8	21

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145	Calculation of Kinetic Parameters for Crystallization Processes. The Chemical Educator, 2002, 7, 19-22.	0.0	4
146	Determination of a Mass-Transfer Coefficient Using the Limiting-Current Technique. The Chemical Educator, 2002, 7, 214-219.	0.0	14
147	Mass transfer characteristics of cross-corrugated membranes. Desalination, 2002, 146, 255-258.	4.0	21
148	Synthesis of crystalline Î´-Na2Si2O5 from sodium silicate solution for use as a builder in detergents. Chemical Engineering Science, 2002, 57, 479-486.	1.9	27
149	Effect of the Particle Size of Starting Materials on the Synthesis of Crystalline Layered Sodium Silicate for Use in Detergents. Industrial & Engineering Chemistry Research, 2001, 40, 2580-2585.	1.8	9
150	Synthesis of Crystalline Layered Sodium Silicate from Amorphous Silicate for Use in Detergents. Industrial & Engineering Chemistry Research, 2000, 39, 1249-1255.	1.8	15
151	The Gas Diffusion Layer in High Temperature Polymer Electrolyte Membrane Fuel Cells. , 0, , .		0