

Carlo Pirola

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5752287/publications.pdf>

Version: 2024-02-01

134
papers

3,526
citations

117453

34
h-index

182168

51
g-index

141
all docs

141
docs citations

141
times ranked

4087
citing authors

#	ARTICLE	IF	CITATIONS
1	Degradation of organic water pollutants through sonophotocatalysis in the presence of TiO ₂ . <i>Ultrasonics Sonochemistry</i> , 2003, 10, 247-254.	3.8	191
2	Photocatalytic degradation of acetone, acetaldehyde and toluene in gas-phase: Comparison between nano and micro-sized TiO ₂ . <i>Applied Catalysis B: Environmental</i> , 2014, 146, 123-130.	10.8	178
3	Tailored Anatase/Brookite Nanocrystalline TiO ₂ . The Optimal Particle Features for Liquid- and Gas-Phase Photocatalytic Reactions. <i>Journal of Physical Chemistry C</i> , 2007, 111, 13222-13231.	1.5	150
4	Mechanism and efficiency of atrazine degradation under combined oxidation processes. <i>Applied Catalysis B: Environmental</i> , 2006, 64, 131-138.	10.8	108
5	Photocatalytic Degradation of Toluene in the Gas Phase: Relationship between Surface Species and Catalyst Features. <i>Environmental Science & Technology</i> , 2008, 42, 6671-6676.	4.6	98
6	Sono-photocatalytic degradation of 2-chlorophenol in water: kinetic and energetic comparison with other techniques. <i>Ultrasonics Sonochemistry</i> , 2001, 8, 251-258.	3.8	93
7	Photodegradation of Pollutants in Air: Enhanced Properties of Nano-TiO ₂ Prepared by Ultrasound. <i>Nanoscale Research Letters</i> , 2009, 4, 97-105.	3.1	85
8	Efficiency of 1,4-dichlorobenzene degradation in water under photolysis, photocatalysis on TiO ₂ and sonolysis. <i>Journal of Hazardous Materials</i> , 2008, 153, 1136-1141.	6.5	80
9	CO ₂ photoreduction at high pressure to both gas and liquid products over titanium dioxide. <i>Applied Catalysis B: Environmental</i> , 2017, 200, 386-391.	10.8	80
10	Decomposition of perfluorooctanoic acid photocatalyzed by titanium dioxide: Chemical modification of the catalyst surface induced by fluoride ions. <i>Applied Catalysis B: Environmental</i> , 2014, 148-149, 29-35.	10.8	66
11	Ultrasonic enhancement of the acidity, surface area and free fatty acids esterification catalytic activity of sulphated ZrO ₂ –TiO ₂ systems. <i>Journal of Catalysis</i> , 2013, 297, 17-26.	3.1	65
12	N-doped TiO ₂ from TiCl ₃ for photodegradation of air pollutants. <i>Catalysis Today</i> , 2009, 144, 31-36.	2.2	56
13	CO ₂ photoconversion to fuels under high pressure: effect of TiO ₂ phase and of unconventional reaction conditions. <i>Catalysis Science and Technology</i> , 2015, 5, 4481-4487.	2.1	52
14	Acid Gas to Syngas (AG2S [®]) technology applied to solid fuel gasification: Cutting H ₂ S and CO ₂ emissions by improving syngas production. <i>Applied Energy</i> , 2016, 184, 1284-1291.	5.1	49
15	Ultrafast Biodiesel Production Using Ultrasound in Batch and Continuous Reactors. <i>ACS Sustainable Chemistry and Engineering</i> , 2013, 1, 1432-1439.	3.2	47
16	Simultaneous photodegradation of VOC mixture by TiO ₂ powders. <i>Chemosphere</i> , 2018, 193, 198-206.	4.2	47
17	Degradation of methyl tert-butyl ether in water: effects of the combined use of sonolysis and photocatalysis. <i>Ultrasonics Sonochemistry</i> , 2005, 12, 395-400.	3.8	46
18	Free fatty acids esterification of waste cooking oil and its mixtures with rapeseed oil and diesel. <i>Fuel</i> , 2013, 108, 612-619.	3.4	46

#	ARTICLE	IF	CITATIONS
19	Surface fluorination on TiO ₂ catalyst induced by photodegradation of perfluorooctanoic acid. <i>Catalysis Today</i> , 2015, 241, 8-14.	2.2	46
20	Pigmentary TiO ₂ : A challenge for its use as photocatalyst in NO _x air purification. <i>Chemical Engineering Journal</i> , 2015, 261, 76-82.	6.6	46
21	Porous TiO ₂ microspheres with tunable properties for photocatalytic air purification. <i>Ultrasonics Sonochemistry</i> , 2013, 20, 445-451.	3.8	45
22	Transmission control for power-shift agricultural tractors: Design and end-of-line automatic tuning. <i>Mechatronics</i> , 2011, 21, 285-297.	2.0	42
23	Ultrasonic free fatty acids esterification in tobacco and canola oil. <i>Ultrasonics Sonochemistry</i> , 2014, 21, 1969-1975.	3.8	42
24	Low pressure conversion of CO ₂ to methanol over Cu/Zn/Al catalysts. The effect of Mg, Ca and Sr as basic promoters. <i>Fuel</i> , 2020, 274, 117804.	3.4	42
25	Toward Scaling-Up Photocatalytic Process for Multiphase Environmental Applications. <i>Catalysts</i> , 2021, 11, 562.	1.6	42
26	High Pressure Photoreduction of CO ₂ : Effect of Catalyst Formulation, Hole Scavenger Addition and Operating Conditions. <i>Catalysts</i> , 2018, 8, 430.	1.6	41
27	Biomass gasification using low-temperature solar-driven steam supply. <i>Renewable Energy</i> , 2015, 74, 671-680.	4.3	40
28	Bisphenol A endocrine disruptor complete degradation using TiO ₂ photocatalysis with ozone. <i>Environmental Chemistry Letters</i> , 2012, 10, 55-60.	8.3	39
29	Surface properties and anti-fouling assessment of coatings obtained from perfluoropolyethers and ceramic oxides nanopowders deposited on stainless steel. <i>Journal of Fluorine Chemistry</i> , 2015, 180, 7-14.	0.9	39
30	Fischer Tropsch and Water Gas Shift chemical regimes on supported iron-based catalysts at high metal loading. <i>Catalysis Communications</i> , 2009, 10, 823-827.	1.6	38
31	Nano and micro-TiO ₂ for the photodegradation of ethanol: experimental data and kinetic modelling. <i>RSC Advances</i> , 2015, 5, 53419-53425.	1.7	37
32	Systematic staging design applied to the fixed-bed reactor series for methanol and one-step methanol/dimethyl ether synthesis. <i>Applied Thermal Engineering</i> , 2014, 70, 1228-1237.	3.0	36
33	Low Temperature De-acidification Process of Animal Fat as a Pre-Step to Biodiesel Production. <i>Catalysis Letters</i> , 2010, 134, 179-183.	1.4	35
34	Ultrasound and microwave assisted synthesis of high loading Fe-supported Fischer-Tropsch catalysts. <i>Ultrasonics Sonochemistry</i> , 2010, 17, 610-616.	3.8	35
35	Sonophotocatalytic degradation of sodium diclofenac using low power ultrasound and micro sized TiO ₂ . <i>Ultrasonics Sonochemistry</i> , 2020, 67, 105123.	3.8	35
36	High pressure CO ₂ photoreduction using Au/TiO ₂ : unravelling the effect of co-catalysts and of titania polymorphs. <i>Catalysis Science and Technology</i> , 2019, 9, 2253-2265.	2.1	34

#	ARTICLE	IF	CITATIONS
37	A novel high-pressure photoreactor for CO ₂ photoconversion to fuels. RSC Advances, 2014, 4, 28883-28885.	1.7	33
38	Co-based hydrotalcites as new catalysts for the Fischer-Tropsch synthesis process. Fuel, 2014, 119, 62-69.	3.4	33
39	A new method to clean industrial water from acetic acid via esterification. Applied Catalysis B: Environmental, 2003, 40, 93-99.	10.8	32
40	Fischer-Tropsch synthesis: EXAFS study of Ru and Pt bimetallic Co based catalysts. Fuel, 2014, 132, 62-70.	3.4	32
41	The effect of oxygen in the photocatalytic oxidation pathways of perfluorooctanoic acid. Journal of Fluorine Chemistry, 2015, 179, 159-168.	0.9	32
42	Surface decoration of commercial micro-sized TiO ₂ by means of high energy ultrasound: A way to enhance its photocatalytic activity under visible light. Applied Catalysis B: Environmental, 2015, 178, 124-132.	10.8	31
43	Vegetable Oil Deacidification by Amberlyst: Study of the Catalyst Lifetime and a Suitable Reactor Configuration. Industrial & Engineering Chemistry Research, 2010, 49, 4601-4606.	1.8	29
44	Photocatalytic coatings for building industry: study of 1 year of activity in the NO _x degradation. Journal of Coatings Technology Research, 2012, 9, 453-458.	1.2	29
45	Photocatalytic NO _x abatement: The role of the material supporting the TiO ₂ active layer. Journal of Hazardous Materials, 2012, 211-212, 203-207.	6.5	29
46	Eco design LCA of an innovative lab scale plant for the production of oxygen-enriched air. Comparison between economic and environmental assessment. Journal of Cleaner Production, 2018, 171, 147-152.	4.6	29
47	Century of Technology Trends in Methanol Synthesis: Any Need for Kinetics Refitting?. Industrial & Engineering Chemistry Research, 2021, 60, 16032-16053.	1.8	28
48	Biogas beyond CHP: The HPC (heat, power & chemicals) process. Energy, 2020, 203, 117820.	4.5	27
49	Aspirin and paracetamol removal using a commercial micro-sized TiO ₂ catalyst in deionized and tap water. Environmental Science and Pollution Research, 2017, 24, 12646-12654.	2.7	26
50	Micro-TiO ₂ as a starting material for new photocatalytic tiles. Cement and Concrete Composites, 2013, 36, 116-120.	4.6	25
51	Copper NPs decorated titania: A novel synthesis by high energy US with a study of the photocatalytic activity under visible light. Ultrasonics Sonochemistry, 2016, 31, 295-301.	3.8	25
52	Multi-scale Kinetic Modeling and Experimental Investigation of Syngas Production from Coal Gasification in Updraft Gasifiers. Energy & Fuels, 2015, 29, 3972-3984.	2.5	24
53	Destruction of carbon tetrachloride in the presence of hydrogen-supplying compounds with ionisation and catalytic oxidation. Applied Catalysis B: Environmental, 2002, 38, 17-28.	10.8	23
54	Increasing the value of dilute acetic acid streams through esterification. Applied Catalysis B: Environmental, 2006, 64, 66-71.	10.8	23

#	ARTICLE	IF	CITATIONS
55	Simultaneous ultrasound and microwave new reactor: Detailed description and energetic considerations. <i>Ultrasonics Sonochemistry</i> , 2012, 19, 872-876.	3.8	23
56	Sol-gel hybrid coatings containing silica and a perfluoropolyether derivative with high resistance and anti-fouling properties in liquid media. <i>Journal of Fluorine Chemistry</i> , 2016, 188, 43-49.	0.9	23
57	Micro-TiO ₂ coated glass surfaces safely abate drugs in surface water. <i>Journal of Hazardous Materials</i> , 2019, 363, 328-334.	6.5	22
58	Aromatization of propane: Techno-economic analysis by multiscale kinetics-to-process simulation. <i>Computers and Chemical Engineering</i> , 2014, 71, 457-466.	2.0	20
59	Assessing thermal energy storage technologies of concentrating solar plants for the direct coupling with chemical processes. The case of solar-driven biomass gasification. <i>Energy</i> , 2014, 75, 45-52.	4.5	19
60	Micro-syngas technology options for GtL. <i>Canadian Journal of Chemical Engineering</i> , 2016, 94, 613-622.	0.9	19
61	Use of a sol-gel hybrid coating composed by a fluoropolymer and silica for the mitigation of mineral fouling in heat exchangers. <i>Applied Thermal Engineering</i> , 2016, 106, 427-431.	3.0	19
62	Choosing the best diluent for a fixed catalytic bed: The case of CO hydrogenation. <i>Catalysis Communications</i> , 2006, 7, 669-672.	1.6	18
63	Vegetable Oil Deacidification by Methanol Heterogeneously Catalyzed Esterification in (Monophasic) Tj ETQq1 1 0.784314 rgBT /Ove	2.5	17
64	Perfluoropolyethers Coatings Design for Fouling Reduction on Heat Transfer Stainless-Steel Surfaces. <i>Heat Transfer Engineering</i> , 2016, 37, 210-219.	1.2	17
65	CaO and isopropanol transesterify and crack triglycerides to isopropyl esters and green diesel. <i>Energy Conversion and Management</i> , 2017, 139, 71-78.	4.4	17
66	Bio-adipic acid production by catalysed hydrogenation of muconic acid in mild operating conditions. <i>Applied Catalysis B: Environmental</i> , 2017, 218, 220-229.	10.8	17
67	Sulfur Rich Coal Gasification and Low Impact Methanol Production. <i>Journal of Sustainable Development of Energy, Water and Environment Systems</i> , 2017, 6, 210-226.	0.9	17
68	Micro-sized TiO ₂ as photoactive catalyst coated on industrial porcelain grÃ's tiles to photodegrade drugs in water. <i>Environmental Science and Pollution Research</i> , 2018, 25, 20348-20353.	2.7	17
69	High Loading Fe-supported Fischer-Tropsch Catalysts: Optimization of the Catalyst Performance. <i>Catalysis Letters</i> , 2009, 131, 294-304.	1.4	16
70	Simulation and Related Experimental Validation of Acetic Acid/Water Distillation Using <i>p</i> -Xylene as Entrainer. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 18063-18070.	1.8	16
71	NO _x degradation in a continuous large-scale reactor using full-size industrial photocatalytic tiles. <i>Catalysis Science and Technology</i> , 2016, 6, 2261-2267.	2.1	16
72	Online model-based optimization and control for the combined optimal operation and runaway prediction and prevention in (fed-)batch systems. <i>Chemical Engineering Science</i> , 2015, 138, 760-771.	1.9	15

#	ARTICLE	IF	CITATIONS
73	Flame Spray Pyrolysis as fine preparation technique for stable Co and Co/Ru based catalysts for FT process. <i>Applied Catalysis A: General</i> , 2016, 520, 92-98.	2.2	15
74	Ultrasound-assisted impregnation for high temperature Fischer-Tropsch catalysts. <i>Ultrasonics Sonochemistry</i> , 2018, 48, 523-531.	3.8	15
75	Water gas shift membrane reactors. , 2015, , 3-29.		14
76	First-principles models and sensitivity analysis for the lignocellulosic biomass-to-methanol conversion process. <i>Computers and Chemical Engineering</i> , 2016, 84, 558-567.	2.0	14
77	Bio Adipic Acid Production from Sodium Muconate and Muconic Acid: A Comparison of two Systems. <i>ChemCatChem</i> , 2019, 11, 3075-3084.	1.8	14
78	Low Impact Methanol Production from Sulfur Rich Coal Gasification. <i>Energy Procedia</i> , 2017, 105, 4519-4524.	1.8	13
79	Fe-based heterogeneous catalysts for the Fischer-Tropsch reaction: Sonochemical synthesis and bench-scale experimental tests. <i>Ultrasonics Sonochemistry</i> , 2017, 34, 774-780.	3.8	13
80	Experimental Characterization of Polymer Surfaces Subject to Corona Discharges in Controlled Atmospheres. <i>Polymers</i> , 2019, 11, 1646.	2.0	13
81	Experimental methods in chemical engineering: Temperature programmed reductionâ€”TPR. <i>Canadian Journal of Chemical Engineering</i> , 2018, 96, 2317-2320.	0.9	12
82	Experimental methods in chemical engineering: Process simulation. <i>Canadian Journal of Chemical Engineering</i> , 2020, 98, 2301-2320.	0.9	12
83	A robust sustainable optimization & control strategy (RSOCS) for (fed-)batch processes towards the low-cost reduction of utilities consumption. <i>Journal of Cleaner Production</i> , 2016, 111, 181-192.	4.6	11
84	Characterization of Cobalt Catalysts on Biomass-Derived Carbon Supports. <i>Topics in Catalysis</i> , 2017, 60, 1415-1428.	1.3	11
85	Fossil or Renewable Sources for Methanol Production?. , 2018, , 53-93.		11
86	Effect of Carbon Support, Capping Agent Amount, and Pd NPs Size for Bio-Adipic Acid Production from Muconic Acid and Sodium Muconate. <i>Nanomaterials</i> , 2020, 10, 505.	1.9	11
87	Stability of Metallic Ruthenium in Ruâ€”Co Supported Silica Catalysts. <i>Catalysis Letters</i> , 2012, 142, 1452-1460.	1.4	10
88	Pressurized photo-reactor for the degradation of the scarcely biodegradable DPC cationic surfactant in water. <i>Chemical Engineering Journal</i> , 2013, 225, 416-422.	6.6	10
89	Highâ€”loaded Feâ€”supported catalyst for the thermochemical BtLâ€”FT process: Experimental results and modelling. <i>Canadian Journal of Chemical Engineering</i> , 2016, 94, 696-702.	0.9	10
90	Effect of Metal Cocatalysts and Operating Conditions on the Product Distribution and the Productivity of the CO ₂ Photoreduction. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 2963-2972.	1.8	10

#	ARTICLE	IF	CITATIONS
91	A New Frontier of Photocatalysis Employing Micro-Sized TiO ₂ : Air/Water Pollution Abatement and Self-Cleaning/ Antibacterial Applications. , 0, , .		9
92	Destruction of carbon tetrachloride in the presence of hydrogen-supplying compounds with ionisation and catalytic oxidation. Applied Catalysis B: Environmental, 2004, 47, 257-267.	10.8	8
93	Kinetic of esterification of diluted acetic acid with pure 2-ethyl-1-hexanol. Chemical Engineering Journal, 2007, 131, 257-262.	6.6	8
94	New Surface Properties in Porcelain Gres Tiles with a Look to Human and Environmental Safety. Advances in Materials Science and Engineering, 2012, 2012, 1-8.	1.0	8
95	Heterogeneous Oil Transesterification in a Single-Phase Liquid Mixture using a Co-Solvent for Improved Biofuels Production. Energy Technology, 2015, 3, 1170-1173.	1.8	8
96	Biogas: a Possible New Pathway to Methanol?. Computer Aided Chemical Engineering, 2017, 40, 523-528.	0.3	8
97	Production and application of O ₂ enriched air produced by fresh and salt water desorption in chemical plants. Journal of Environmental Management, 2018, 217, 621-628.	3.8	8
98	Photocatalytic porcelain grÃ©s large slabs digitally coated with AgNPs-TiO ₂ . Environmental Science and Pollution Research, 2019, 26, 36117-36123.	2.7	8
99	Immersive virtual crude distillation unit learning experience: The EYE4EDU project. Computers and Chemical Engineering, 2020, 140, 106973.	2.0	8
100	Effects of humidified enriched air on combustion and emissions of a diesel engine. Renewable Energy, 2020, 155, 569-577.	4.3	8
101	Purification of air from volatile organic compounds by countercurrent liquid gas mass transfer absorption process. International Journal of Thermofluids, 2021, 9, 100060.	4.0	8
102	Separation of some light monocarboxylic acids from water in binary solutions in a reverse osmosis pilot plant. Desalination, 2005, 171, 21-32.	4.0	7
103	Production of oxygen-enriched air via desorption from water: Experimental data, simulations and economic assessment. Computers and Chemical Engineering, 2017, 102, 11-16.	2.0	7
104	The beneficial influence of ultrasound in the polymerization of ϵ -caprolactam to polyamide-6 (Nylon 6). Part I: Primary experimental results. Ultrasonics Sonochemistry, 2007, 14, 680-688.	3.8	6
105	Mathematical Modelling of Coal and Biomass Gasification: Comparison on the Syngas H ₂ /CO Ratio under Different Operating Conditions. Computer Aided Chemical Engineering, 2014, 33, 1669-1674.	0.3	6
106	Robust kinetic modeling of heterogeneously catalyzed free fatty acids esterification in monophasic liquid/solid packed bed reactor: rival model discrimination. Clean Technologies and Environmental Policy, 2015, 17, 1139-1147.	2.1	6
107	Non Edible Oils: Raw Materials for Sustainable Biodiesel. , 2011, , .		5
108	Process intensification using energy-free highly enriched air: Application to seawater desalination plants. Chemical Engineering and Processing: Process Intensification, 2014, 79, 40-47.	1.8	5

#	ARTICLE	IF	CITATIONS
109	Preservation of carotenes in the deacidification of crude palm oil. RSC Advances, 2014, 4, 46922-46925.	1.7	5
110	Performance and Exhaust Emissions Analysis of a Diesel Engine Using Oxygen-Enriched Air. , 2018, , .		5
111	Comparison of Branched and Linear Perfluoropolyether Chains Functionalization on Hydrophobic, Morphological and Conductive Properties of Multi-Walled Carbon Nanotubes. Nanomaterials, 2018, 8, 176.	1.9	5
112	Learning distillation by a combined experimental and simulation approach in a three steps laboratory: Vapor pressure, vapor-liquid equilibria and distillation column. Education for Chemical Engineers, 2019, 28, 54-65.	2.8	5
113	Pd-Au Bimetallic Catalysts for the Hydrogenation of Muconic Acid to Bio-Adipic Acid. Catalysts, 2021, 11, 1313.	1.6	5
114	Hybrid risk-based LCA to improve the Acid Gas to Syngas (AG2S ₂ , ϕ) process. Journal of Loss Prevention in the Process Industries, 2022, 75, 104694.	1.7	5
115	Robust optimization of the heteroextractive distillation column for the purification of water/acetic acid mixtures using p-xylene as entrainer. Computers and Chemical Engineering, 2016, 95, 161-169.	2.0	4
116	Co- and Co(Ru)-Based Catalysts for Fischer-Tropsch Synthesis Prepared by High Power Ultrasound. Materials Focus, 2015, 4, 295-301.	0.4	4
117	Technical Feasibility of AG2S ₂ , ϕ Process Revamping. Computer Aided Chemical Engineering, 2017, 40, 385-390.	0.3	3
118	Photocatalytic TiO ₂ : From Airless Jet Spray Technology to Digital Inkjet Printing. , 0, , .		3
119	Hydrogenation of Trans,Trans-Muconic Acid to Bio-Adipic Acid: Mechanism Identification and Kinetic Modelling. Processes, 2020, 8, 929.	1.3	3
120	Metallosilicates as an iron support to catalyze Fischer-Tropsch synthesis. Catalysis Today, 2022, , .	2.2	3
121	The beneficial influence of ultrasound in the polymerization of μ -caprolactam to polyamide-6 (Nylon 6). Part II: Additional experiment to understand the "pre-sonication effect". Ultrasonics Sonochemistry, 2007, 14, 689-694.	3.8	2
122	Soybean Oil De-Acidification as a First Step Towards Biodiesel Production. , 0, , .		2
123	Bio-syngas Conversion by FT Synthesis with High Loaded Fe-based Catalysts: Kinetic Parameters Regression. Computer Aided Chemical Engineering, 2016, 38, 589-594.	0.3	2
124	Integrated reactor staging and plant optimization of a Biomass-To-Liquid technology. Computers and Chemical Engineering, 2017, 106, 719-729.	2.0	2
125	Batch and Continuous Ultrasonic Reactors for the Production of Methyl Esters from Vegetable Oils. Biofuels and Biorefineries, 2015, , 87-114.	0.5	2
126	The Role of the Nano/Microstructure in the Case of the Photodegradation of Two Model VOC Pollutants Using Commercial TiO ₂ . Energy and Environment Focus, 2015, 4, 226-231.	0.3	1

#	ARTICLE	IF	CITATIONS
127	Comparison between Experimental and Simulated Data of a Distillation Column: Evaluation of Mass-Heat Balances and Trays Efficiency. Computer Aided Chemical Engineering, 2016, , 1557-1562.	0.3	1
128	Nonlinear desorption activation energy from TPD curves: Analysis of the influence of initial values for the regression procedure. Canadian Journal of Chemical Engineering, 2020, 98, 1115-1123.	0.9	1
129	Photocatalysis for the Degradation of Ionic Surfactants in Water: The Case of DPC. Materials Research Society Symposia Proceedings, 2009, 1171, 71.	0.1	0
130	Feasibility study for the production of biofuels from Brassicaceae spp. and Nicotiana tabacum oilseeds and from by-products or waste materials. Journal of Biotechnology, 2010, 150, 173-173.	1.9	0
131	Biomass to X: Gasification and Pyrolysis Integrated. Computer Aided Chemical Engineering, 2017, 40, 1837-1842.	0.3	0
132	Combustion analysis of a light duty diesel engine using oxygen-enriched and humidified combustion air. E3S Web of Conferences, 2019, 116, 00061.	0.2	0
133	Systematic Design of Biorefinery Downstream Processes. , 2017, , 683-712.		0
134	Basic Economic Analysis for Sonochemical Processes. Journal of Chemical Engineering Research Updates, 0, 7, 1-5.	0.1	0