Lionel Limousy

List of Publications by Year
in descending order

89	2,603	159585	206112
papers	citations	30 h-index	48 g-index

90	90	90	3151
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Production of a biofertilizer from exhausted grape marc waste: agronomic and environmental impact on plant growth. Biomass Conversion and Biorefinery, 2022, 12, 5605-5618.	4.6	6
2	Potential Valorization of Waste Tires as Activated Carbon-Based Adsorbent for Organic Contaminants Removal. Materials, 2022, 15, 1099.	2.9	16
3	New Materials and Technologies for Wastewater Treatment. Materials, 2022, 15, 1927.	2.9	1
4	Biochar production from Cypress sawdust and olive mill wastewater: Agronomic approach. Science of the Total Environment, 2021, 752, 141713.	8.0	36
5	Facile Elaboration of Wet Cellulose Film as Catalyst Support of MnOx Nanoparticles for the Catalytic Oxidation of Dyes in Absence of Light. Clean Technologies, 2021, 3, 288-298.	4.2	3
6	Exhausted Grape Marc Derived Biochars: Effect of Pyrolysis Temperature on the Yield and Quality of Biochar for Soil Amendment. Sustainability, 2021, 13, 11187.	3.2	7
7	Review: Clay-Modified Electrodes in Heterogeneous Electro-Fenton Process for Degradation of Organic Compounds: The Potential of Structural Fe(III) as Catalytic Sites. Materials, 2021, 14, 7742.	2.9	4
8	Free-standing cellulose film containing manganese dioxide nanoparticles and its use in discoloration of indigo carmine dye. Carbohydrate Polymers, 2020, 230, 115621.	10.2	32
9	Kenaf stems: Thermal characterization and conversion for biofuel and biochar production. Fuel, 2020, 262, 116654.	6.4	43
10	Iron-rich clay mineral synthesis using design of experiments approach. Applied Clay Science, 2020, 199, 105876.	5.2	5
11	Synthesis, Characterization and Catalytic Activity of Ternary Oxide Catalysts Using the Microwave-Assisted Solution Combustion Method. Materials, 2020, 13, 4607.	2.9	5
12	Thermal decomposition of a layered double hydroxide as a bottom up approach for the synthesis of metallic nanoparticles embedded in carbon structures. New Journal of Chemistry, 2020, 44, 16721-16732.	2.8	5
13	Nutrient retention and release from raw exhausted grape marc biochars and an amended agricultural soil: Static and dynamic investigation. Environmental Technology and Innovation, 2020, 19, 100885.	6.1	16
14	Influence of the Fuel/Oxidant Ratio on the Elaboration of Binary Oxide Catalyst by a Microwave-Assisted Solution Combustion Method. Energies, 2020, 13, 3126.	3.1	3
15	LaponitesÂ® for the Recovery of 133Cs, 59Co, and 88Sr from Aqueous Solutions and Subsequent Storage: Impact of Grafted Silane Loads. Materials, 2020, 13, 572.	2.9	2
16	Cleaner Synthesis of Silylated Clay Minerals for the Durable Recovery of Ions (Co²⁺ and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 2104-2112.	3.7	10
17	Zwitterionic-surfactant modified LAPONITEÂ®s for removal of ions (Cs⁺, Sr²⁺) Tj ETQq1 1 0.784314 rgBT /O from aqueous wastes. Green Chemistry, 2019, 21, 5118-5127.	9.0	15
18	Biochar production from grape marc, kenaf stems and flax shives: Effect of temperature on textural and physicochemical properties. , 2019, , .		1

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19	Olive oil by-products : From harmful waste to interesting carbonaceous materials : Hydrothermal conversion of olive oil by-products into carbon rich chars. , 2019, , .		1
20	Mass transfer modelling in clay-based material: Estimation of apparent diffusivity of a molecule of interest. Comptes Rendus Chimie, 2019, 22, 250-257.	0.5	10
21	Inorganic and Hybrid (Organicâ€“Inorganic) Lamellar Materials for Heavy metals and Radionuclides Capture in Energy Wastes Managementâ€”A Review. Materials, 2019, 12, 1399.	2.9	37
22	Recovery of Low-Grade Heat (Heat Waste) from a Cogeneration Unit for Woodchips Drying: Energy and Economic Analyses. Energies, 2019, 12, 501.	3.1	2
23	Biomass feedstocks. , 2019, , 1-38.		5
24	Char combustion. , 2019, , 147-185.		1
25	Sustainability assessment for biomass-derived char production and applications. , 2019, , 447-479.		3
26	Binary Oxides Prepared by Microwave-Assisted Solution Combustion: Synthesis, Characterization and Catalytic Activity. Materials, 2019, 12, 910.	2.9	6
27	Influence of CO2 Concentration and Inorganic Species on the Gasification of Lignocellulosic Biomass Derived Chars. Waste and Biomass Valorization, 2019, 10, 3745-3752.	3.4	13
28	Development of a new cathode for the electro-Fenton process combining carbon felt and iron-containing organicâ€“inorganic hybrids. Comptes Rendus Chimie, 2019, 22, 238-249.	0.5	10
29	Understanding the separation of anion mixtures by TiO2 membranes: Numerical investigation and effect of alkaline treatment on physicochemical properties. Chemical Engineering Journal, 2019, 363, 365-373.	12.7	13
30	Low-cost ceramic membranes: Synthesis, classifications, and applications. Comptes Rendus Chimie, 2019, 22, 175-187.	0.5	77
31	Adsorption/reduction of nitrogen dioxide on activated carbons: Textural properties versus surface chemistry â€“ A review. Chemical Engineering Journal, 2018, 347, 493-504.	12.7	81
32	Effect of six engineered biochars on GHG emissions from two agricultural soils: A short-term incubation study. Geoderma, 2018, 327, 73-84.	5.1	46
33	Investigations on phosphorus recovery from aqueous solutions by biochars derived from magnesium-pretreated cypress sawdust. Journal of Environmental Management, 2018, 216, 305-314.	7.8	84
34	Strategies for bioenergy production from agriculture and agrifood processing residues. Biofuels, 2018, 9, 541-543.	2.4	12
35	Synthesis of iron-rich tri-octahedral clay minerals: A review. Applied Clay Science, 2018, 166, 276-287.	5.2	12
36	Experimental Determination of the CH₄ and CO₂ Pure Gas Adsorption Isotherms on Different Activated Carbons. Journal of Chemical & Engineering Data, 2018, 63, 3027-3034.	1.9	14

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37	Factors Influencing NO2 Adsorption/Reduction on Microporous Activated Carbon: Porosity vs. Surface Chemistry. Materials, 2018, 11, 622.	2.9	16
38	Cyprus energy resources and their potential to increase sustainability. , 2018, , .		4
39	Manufacture and optimization of low-cost tubular ceramic supports for membrane filtration: application to algal solution concentration. Environmental Science and Pollution Research, 2017, 24, 9914-9926.	5.3	21
40	Process engineering for pollution control and waste minimization. Environmental Science and Pollution Research, 2017, 24, 9827-9830.	5.3	3
41	New insights on the structural evolution of biomass char upon pyrolysis as revealed by the Raman spectroscopy and elemental analysis. Carbon, 2017, 119, 519-521.	10.3	203
42	Combined NMR structural characterization and thermogravimetric analyses for the assessment of the AAEM effect during lignocellulosic biomass pyrolysis. Energy, 2017, 134, 10-23.	8.8	61
43	Pyrolysis of Olive Pomace: Degradation Kinetics, Gaseous Analysis and Char Characterization. Waste and Biomass Valorization, 2017, 8, 1689-1697.	3.4	35
44	The relationship between mineral contents, particle matter and bottom ash distribution during pellet combustion: molar balance and chemometric analysis. Environmental Science and Pollution Research, 2017, 24, 9927-9939.	5.3	16
45	Olive Mill Wastewater: From a Pollutant to Green Fuels, Agricultural Water Source and Biofertilizer. ACS Sustainable Chemistry and Engineering, 2017, 5, 8988-8996.	6.7	59
46	Amoxicillin removal from aqueous solution using activated carbon prepared by chemical activation of olive stone. Environmental Science and Pollution Research, 2017, 24, 9993-10004.	5.3	86
47	Energy applications of coffee processing by-products. , 2017, , 323-367.		9
48	Modification of the Selectivity Properties of Tubular Ceramic Membranes after Alkaline Treatment. Membranes, 2017, 7, 65.	3.0	8
49	Environmental applications of coffee processing by-products. , 2017, , 245-297.		4
50	Biomass Chars: The Effects of Pyrolysis Conditions on Their Morphology, Structure, Chemical Properties and Reactivity. Energies, 2017, 10, 796.	3.1	128
51	Olive Mill Wastewater: From a Pollutant to Green Fuels, Agricultural Water Source and Bio-Fertilizerâ€"Part 1. The Drying Kinetics. Energies, 2017, 10, 1423.	3.1	23
52	The Potential of Activated Carbon Made of Agro-Industrial Residues in NOx Immissions Abatement. Energies, 2017, 10, 1508.	3.1	39
53	Biomass Chars: Elaboration, Characterization and Applications. Energies, 2017, 10, 2040.	3.1	8
54	Characterization of coffee residues pellets and their performance in a residential combustor. International Journal of Green Energy, 2016, 13, 608-615.	3.8	25

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55	Impact of sootâ€NSR catalyst contact depending on reactive gas composition on NO_x storage. Environmental Progress and Sustainable Energy, 2016, 35, 14-19.	2.3	1
56	Energy recovery from Tunisian agri-food wastes: Evaluation of combustion performance and emissions characteristics of green pellets prepared from tomato residues and grape marc. Energy, 2016, 107, 409-418.	8.8	60
57	Thermal degradation kinetics and mechanisms ofPosidonia Oceanicaunder inert and oxidative atmospheres. International Journal of Green Energy, 2016, 13, 665-671.	3.8	3
58	Combustion characteristics and kinetics of torrefied olive pomace. Energy, 2016, 107, 453-463.	8.8	49
59	Design and characterization of flat membrane supports elaborated from kaolin and aluminum powders. Comptes Rendus Chimie, 2016, 19, 496-504.	0.5	28
60	CO2 gasification of woody biomass chars: The influence of KÂand Si on char reactivity. Comptes Rendus Chimie, 2016, 19, 457-465.	0.5	81
61	Synthesis of mono- and bi-layer zeolite films on alumina substrates. Comptes Rendus Chimie, 2016, 19, 486-495.	0.5	5
62	International Renewable Energy Congress 2015: Focus on biomass energy, environment and sustainable development. Comptes Rendus Chimie, 2016, 19, 419-422.	0.5	0
63	Hydraulic Performance Modifications of a Zeolite Membrane after an Alkaline Treatment: Contribution of Polar and Apolar Surface Tension Components. Advances in Materials Science and Engineering, 2015, 2015, 1-7.	1.8	4
64	Stabilisation of the water permeability of mineral ultrafiltration membranes: An empirical modelling of surface and pore hydration. Comptes Rendus Chimie, 2015, 18, 56-62.	0.5	10
65	N2O and NO emissions during wastewater denitrification step: Influence of temperature on the biological process. Comptes Rendus Chimie, 2015, 18, 15-22.	0.5	44
66	Synthesis of mono- and bi-layer MFI zeolite films on macroporous alumina tubular supports: Application to nanofiltration. Journal of Crystal Growth, 2015, 428, 71-79.	1.5	10
67	Thermogravimetric study on the influence of structural, textural and chemical properties of biomass chars on CO2 gasification reactivity. Energy, 2015, 88, 703-710.	8.8	119
68	Performance of a household boiler fed with agropellets blended from olive mill solid waste and pine sawdust. Fuel, 2015, 153, 431-436.	6.4	31
69	Performance and emissions characteristics of compressed spent coffee ground/wood chip logs in a residential stove. Energy for Sustainable Development, 2015, 28, 52-59.	4.5	32
70	Surface energy modification of a Na-mordenite thin layer treated by an alkaline solution. Materials Express, 2015, 5, 451-456.	0.5	7
71	Activated carbon prepared by physical activation of olive stones for the removal of NO2 at ambient temperature. Comptes Rendus Chimie, 2015, 18, 63-74.	0.5	103
72	Modelling and Optimisation in Chemical and Biological Engineering: Application to Wastewater and Gas Treatment. International Journal of Chemical Reactor Engineering, 2014, 12, 669-669.	1.1	0

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73	Simulation of the Denitrification Process of Waste Water with a Biochemical Systems Model: A Non-Conventional Approach. International Journal of Chemical Reactor Engineering, 2014, 12, 683-693.	1.1	2
74	Impregnation of olive mill wastewater on dry biomasses: Impact on chemical properties and combustion performances. Energy, 2014, 78, 479-489.	8.8	40
75	Comparison of NO2 removal using date pits activated carbon and modified commercialized activated carbon via different preparation methods: Effect of porosity and surface chemistry. Chemical Engineering Journal, 2014, 253, 121-129.	12.7	53
76	Combined Fixedâ€Bed Reactor and In Situ DRIFTS Tests of NO Adsorption on a NOx Storageâ€Reduction System Catalyst. Chemical Engineering and Technology, 2014, 37, 204-212.	1.5	8
77	Thermal characterization and pyrolysis kinetics of tropical biomass feedstocks for energy recovery. Energy for Sustainable Development, 2014, 23, 188-193.	4.5	61
78	Understanding of Ion Transport in a Naâ€“Mordenite Membrane: Use of Numerical Modeling To Estimate Surfaceâ€“Solute Interactions in the Pore. Industrial & Engineering Chemistry Research, 2014, 53, 8221-8227.	3.7	6
79	Pyrolysis kinetics and physicochemical properties of agropellets produced from spent ground coffee blended with conventional biomass. Chemical Engineering Research and Design, 2014, 92, 1876-1882.	5.6	53
80	Simultaneous effect of carbon and water on NOx adsorption on a stabilized Ptâ€“Ba/Al2O3 catalyst. Comptes Rendus Chimie, 2014, 17, 687-700.	0.5	10
81	Physico-chemical properties and thermal degradation characteristics of agropellets from olive mill by-products/sawdust blends. Fuel Processing Technology, 2014, 126, 215-221.	7.2	30
82	Concentration polarization phenomenon during the nanofiltration of multi-ionic solutions: Influence of the filtrated solution and operating conditions. Water Research, 2013, 47, 2260-2272.	11.3	49
83	Gaseous products and particulate matter emissions of biomass residential boiler fired with spent coffee grounds pellets. Fuel, 2013, 107, 323-329.	6.4	133
84	Use of Mordenite Surface Acidity Properties for the Selective Separation of Halide Salts: Modification of Dielectric Effects. Industrial & Engineering Chemistry Research, 2011, 50, 4003-4010.	3.7	7
85	Effect of the carbon source on N2O emissions during biological denitrification. Resources, Conservation and Recycling, 2010, 54, 299-302.	10.8	68
86	Nitrite effect on nitrous oxide emission from denitrifying activated sludge. Process Biochemistry, 2008, 43, 683-689.	3.7	92
87	The design of separators based on phase inversion at low velocities in the nozzles. Separation and Purification Technology, 2004, 38, 181-189.	7.9	9
88	Determination by zetametry and â€˜streaming induced potentialâ€™ measurements of the amounts of catalytic precursors necessary to saturate a support. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2001, 181, 91-97.	4.7	10
89	RÃ©alisation et modification des propriÃ©tÃ©s de sÃ©lectivitÃ© dâ€™une membrane minÃ©rale dâ€™ultrafiltrationÂ: Ã©tude de la rÃ©tention de solutions salines. Revue Des Sciences De L'Eau, 0, 25, 21-30.	0.2	0