

Francisco J GarcÃ-a-Mateos

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

966
citations

471509

17
h-index

713466

21
g-index

21
all docs

21
docs citations

21
times ranked

1308
citing authors

#	ARTICLE	IF	CITATIONS
1	Phosphorus containing carbon (submicron)fibers as efficient acid catalysts. <i>Catalysis Today</i> , 2022, 383, 308-319.	4.4	8
2	Effect of Co-solution of Carbon Precursor and Activating Agent on the Textural Properties of Highly Porous Activated Carbon Obtained by Chemical Activation of Lignin With H ₃ PO ₄ . <i>Frontiers in Materials</i> , 2020, 7, .	2.4	20
3	Adaptable kinetic model for the transient and pseudo-steady states in the hydrodeoxygenation of raw bio-oil. <i>Chemical Engineering Journal</i> , 2020, 400, 124679.	12.7	19
4	Activation of electrospun lignin-based carbon fibers and their performance as self-standing supercapacitor electrodes. <i>Separation and Purification Technology</i> , 2020, 241, 116724.	7.9	67
5	Morphological study of stabilization and carbonization of polyacrylonitrile/TiO ₂ nanofiber mats. <i>Journal of Engineered Fibers and Fabrics</i> , 2019, 14, 155892501986224.	1.0	13
6	Acid Mesoporous Carbon Monoliths from Lignocellulosic Biomass Waste for Methanol Dehydration. <i>Materials</i> , 2019, 12, 2394.	2.9	11
7	About the Role of Porosity and Surface Chemistry of Phosphorus-Containing Activated Carbons in the Removal of Micropollutants. <i>Frontiers in Materials</i> , 2019, 6, .	2.4	14
8	Enhanced production of phenolics and aromatics from raw bio-oil using HZSM-5 zeolite additives for PtPd/C and NiW/C catalysts. <i>Applied Catalysis B: Environmental</i> , 2019, 259, 118112.	20.2	40
9	Controlling the Composition, Morphology, Porosity, and Surface Chemistry of Lignin-Based Electrospun Carbon Materials. <i>Frontiers in Materials</i> , 2019, 6, .	2.4	43
10	Role of different nitrogen functionalities on the electrochemical performance of activated carbons. <i>Carbon</i> , 2018, 126, 65-76.	10.3	33
11	Phosphorus functionalization for the rapid preparation of highly nanoporous submicron-diameter carbon fibers by electrospinning of lignin solutions. <i>Journal of Materials Chemistry A</i> , 2018, 6, 1219-1233.	10.3	96
12	Stabilization of Electrospun PAN/Gelatin Nanofiber Mats for Carbonization. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-12.	2.7	25
13	Flexible binderless capacitors based on P- and N-containing fibrous activated carbons from denim cloth waste. <i>Carbon</i> , 2018, 139, 599-608.	10.3	23
14	Fixing PAN Nanofiber Mats during Stabilization for Carbonization and Creating Novel Metal/Carbon Composites. <i>Polymers</i> , 2018, 10, 735.	4.5	46
15	Lignin-derived Pt supported carbon (submicron)fiber electrocatalysts for alcohol electro-oxidation. <i>Applied Catalysis B: Environmental</i> , 2017, 211, 18-30.	20.2	75
16	Role of surface phosphorus complexes on the oxidation of porous carbons. <i>Fuel Processing Technology</i> , 2017, 157, 116-126.	7.2	100
17	Alcohol Dehydrogenation on Kraft Lignin-Derived Chars with Surface Basicity. <i>Catalysts</i> , 2017, 7, 308.	3.5	18
18	Biomass Waste Carbon Materials as adsorbents for CO ₂ Capture under Post-Combustion Conditions. <i>Frontiers in Materials</i> , 2016, 3, .	2.4	55

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19	Novel Synthesis Method of porous VPO catalysts with fibrous structure by Electrospinning. Catalysis Today, 2016, 277, 266-273.	4.4	19
20	Biomass-derived binderless fibrous carbon electrodes for ultrafast energy storage. Green Chemistry, 2016, 18, 1506-1515.	9.0	102
21	Removal of paracetamol on biomass-derived activated carbon: Modeling the fixed bed breakthrough curves using batch adsorption experiments. Chemical Engineering Journal, 2015, 279, 18-30.	12.7	139