

Dolores Esquivel

List of Publications by Year in descending order

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66
papers

2,147
citations

218677

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233421

45
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67
all docs

67
docs citations

67
times ranked

2932
citing authors

#	ARTICLE	IF	CITATIONS
1	Periodic Mesoporous Organosilicas: from simple to complex bridges; a comprehensive overview of functions, morphologies and applications. <i>Chemical Society Reviews</i> , 2013, 42, 3913-3955.	38.1	444
2	Covalent triazine-based frameworks (CTFs) from triptycene and fluorene motifs for CO ₂ adsorption. <i>Journal of Materials Chemistry A</i> , 2016, 4, 6259-6263.	10.3	176
3	A photoluminescent covalent triazine framework: CO ₂ adsorption, light-driven hydrogen evolution and sensing of nitroaromatics. <i>Journal of Materials Chemistry A</i> , 2016, 4, 13450-13457.	10.3	122
4	Microwave atmospheric pressure plasma jets for wastewater treatment: Degradation of methylene blue as a model dye. <i>Chemosphere</i> , 2017, 180, 239-246.	8.2	116
5	A Comparative Study of Particle Size Distribution of Graphene Nanosheets Synthesized by an Ultrasound-Assisted Method. <i>Nanomaterials</i> , 2019, 9, 152.	4.1	89
6	Fast ultrasound-assisted synthesis of highly crystalline MIL-88A particles and their application as ethylene adsorbents. <i>Ultrasonics Sonochemistry</i> , 2019, 50, 59-66.	8.2	59
7	Silanol-Assisted Aldol Condensation on Aminated Silica: Understanding the Arrangement of Functional Groups. <i>ChemCatChem</i> , 2014, 6, 255-264.	3.7	48
8	Effects of amine structure and base strength on acid-base cooperative aldol condensation. <i>Catalysis Today</i> , 2015, 246, 35-45.	4.4	47
9	Metal-Exchanged β Zeolites as Catalysts for the Conversion of Acetone to Hydrocarbons. <i>Materials</i> , 2012, 5, 121-134.	2.9	46
10	100% thiol-functionalized ethylene PMOs prepared by thiol acid chemistry. <i>Chemical Communications</i> , 2013, 49, 2344.	4.1	46
11	MIL-88A Metal-Organic Framework as a Stable Sulfur-Host Cathode for Long-Cycle Li-S Batteries. <i>Nanomaterials</i> , 2020, 10, 424.	4.1	44
12	The role of water in the reusability of aminated silica catalysts for aldol reactions. <i>Journal of Catalysis</i> , 2018, 361, 51-61.	6.2	39
13	Amine-containing (nano-) Periodic Mesoporous Organosilica and its application in catalysis, sorption and luminescence. <i>Microporous and Mesoporous Materials</i> , 2020, 291, 109687.	4.4	39
14	Catalytic systems mimicking the [FeFe]-hydrogenase active site for visible-light-driven hydrogen production. <i>Coordination Chemistry Reviews</i> , 2021, 448, 214172.	18.8	38
15	Formation and functionalization of surface Diels-Alder adducts on ethylene-bridged periodic mesoporous organosilica. <i>Journal of Materials Chemistry</i> , 2011, 21, 10990.	6.7	37
16	Thermal behaviour, sulfonation and catalytic activity of phenylene-bridged periodic mesoporous organosilicas. <i>Journal of Materials Chemistry</i> , 2011, 21, 724-733.	6.7	36
17	Transition metal exchanged β zeolites: Characterization of the metal state and catalytic application in the methanol conversion to hydrocarbons. <i>Microporous and Mesoporous Materials</i> , 2013, 179, 30-39.	4.4	36
18	Mesoporous phenolic resin and mesoporous carbon for the removal of S-Metolachlor and Bentazon herbicides. <i>Chemical Engineering Journal</i> , 2014, 251, 92-101.	12.7	35

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19	Coumarin Derivatives Solvent-Free Synthesis under Microwave Irradiation over Heterogeneous Solid Catalysts. <i>Molecules</i> , 2017, 22, 2072.	3.8	35
20	A one-step sulfonic acid PMO as a recyclable acid catalyst. <i>Journal of Catalysis</i> , 2015, 326, 139-148.	6.2	33
21	Thiol-ethylene bridged PMO: A high capacity regenerable mercury adsorbent via intrapore mercury thiolate crystal formation. <i>Journal of Hazardous Materials</i> , 2017, 339, 368-377.	12.4	33
22	Temperature dependent NIR emitting lanthanide-PMO/silica hybrid materials. <i>Dalton Transactions</i> , 2017, 46, 7878-7887.	3.3	33
23	Local environment and acidity in alkaline and alkaline-earth exchanged \hat{I}^2 zeolite: Structural analysis and catalytic properties. <i>Microporous and Mesoporous Materials</i> , 2011, 142, 672-679.	4.4	32
24	Ti-functionalized NH ₂ -MIL-47: An effective and stable epoxidation catalyst. <i>Catalysis Today</i> , 2013, 208, 97-105.	4.4	31
25	Eu ³⁺ @PMO: synthesis, characterization and luminescence properties. <i>Journal of Materials Chemistry C</i> , 2015, 3, 2909-2917.	5.5	31
26	Adsorption of the herbicide S-Metolachlor on periodic mesoporous organosilicas. <i>Chemical Engineering Journal</i> , 2013, 228, 205-213.	12.7	29
27	Comparison of the thermal and hydrothermal stabilities of ethylene, ethylidene, phenylene and biphenylene bridged periodic mesoporous organosilicas. <i>Materials Letters</i> , 2011, 65, 1460-1462.	2.6	26
28	Preparation of Palladium-Supported Periodic Mesoporous Organosilicas and their Use as Catalysts in the Suzuki Cross-Coupling Reaction. <i>Materials</i> , 2013, 6, 1554-1565.	2.9	22
29	Facile Synthesis of Cooperative Acid-Base Catalysts by Clicking Cysteine and Cysteamine on an Ethylene-Bridged Periodic Mesoporous Organosilica. <i>European Journal of Inorganic Chemistry</i> , 2016, 2144-2151.	2.0	20
30	Tailoring Bifunctional Periodic Mesoporous Organosilicas for Cooperative Catalysis. <i>ACS Applied Nano Materials</i> , 2020, 3, 2373-2382.	5.0	19
31	Designing advanced functional periodic mesoporous organosilicas for biomedical applications Electrodes. <i>AIMS Materials Science</i> , 2014, 1, 70-86.	1.4	19
32	Luminescent thermometer based on Eu ³⁺ /Tb ³⁺ -organic-functionalized mesoporous silica. <i>Luminescence</i> , 2018, 33, 567-573.	2.9	17
33	Zirconium coordination polymers based on tartaric and malic acids as catalysts for cyanosilylation reactions. <i>Applied Catalysis A: General</i> , 2019, 585, 117190.	4.3	17
34	Use of Raman spectroscopy to assess nitrate uptake by calcined LDH phases. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 602, 125066.	4.7	17
35	A new Pd(II)-supported catalyst on magnetic SBA-15 for C-C bond formation via the Heck and Hiyama cross-coupling reactions. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6078.	3.5	15
36	Spectroscopic analysis of corrosion products in a bronze cauldron from the Late Iberian Iron Age. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 205, 489-496.	3.9	14

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37	Luminescent Graphene-Based Materials via Europium Complexation on Dipyrildylpyridazine-Functionalized Graphene Sheets. <i>Chemistry - A European Journal</i> , 2019, 25, 6823-6830.	3.3	14
38	Identification of pigments in the Annunciation sculptural group (Cordoba, Spain) by micro-Raman spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 214, 139-145.	3.9	14
39	Micro-Raman analysis of mortars and wallpaintings in the Roman villa of Fuente Alamo (Puente Genil,) Tj ETQq1 1 0.784314 rgBT /Ove 15-23.	4.1	13
40	Use of Raman microspectroscopy to characterize wallpaintings in Cerro de las Cabezas and the Roman villa of Priego de Cordoba (Spain). <i>Vibrational Spectroscopy</i> , 2018, 96, 143-149.	2.2	12
41	Removal of S-metolachlor herbicide from aqueous solutions by meso and microporous organosilica materials. <i>Microporous and Mesoporous Materials</i> , 2019, 278, 35-43.	4.4	12
42	Periodic Mesoporous Organosilicas as Catalysts for Organic Reactions. <i>Current Organic Chemistry</i> , 2014, 18, 1280-1295.	1.6	12
43	Application of Sulfonic Acid Functionalised Hybrid Silicas Obtained by Oxidative Cleavage of Tetrasulfide Bridges as Catalysts in Esterification Reactions. <i>ChemCatChem</i> , 2013, 5, 1002-1010.	3.7	11
44	Pyrrole PMOs, incorporating new N-heterocyclic compounds on an ethene-PMO through Diels-Alder reactions. <i>Materials Chemistry and Physics</i> , 2014, 148, 403-410.	4.0	10
45	Vulcanized Ethene-PMO: A New Strategy to Create Ultrastable Support Materials and Adsorbents. <i>Journal of Physical Chemistry C</i> , 2014, 118, 17862-17869.	3.1	10
46	A Heterogeneous Hydrogen-Evolution Catalyst Based on a Mesoporous Organosilica with a Diiron Catalytic Center Modelling [FeFe]-Hydrogenase. <i>ChemCatChem</i> , 2018, 10, 4894-4899.	3.7	10
47	Microwave-assisted synthesis of hybrid organo-layered double hydroxides containing cholate and deoxycholate. <i>Materials Chemistry and Physics</i> , 2019, 225, 28-33.	4.0	10
48	Copper-complexed dipyrildyl-pyridazine functionalized periodic mesoporous organosilica as a heterogeneous catalyst for styrene epoxidation. <i>Dalton Transactions</i> , 2022, 51, 4884-4897.	3.3	10
49	A New Magnetically Retrievable Porous Supported Catalyst for The Suzuki-Miyaura Cross-Coupling Reaction. <i>ChemistrySelect</i> , 2020, 5, 11690-11697.	1.5	9
50	Enhanced Concentration of Medium Strength Brønsted Acid Sites in Aluminium-Modified β Zeolite. <i>Catalysis Letters</i> , 2012, 142, 112-117.	2.6	6
51	A multi-analytical study of a wall painting in the Satyr domus in Córdoba, Spain. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 232, 118148.	3.9	6
52	Cobaloxime tethered pyridine-functionalized ethylene-bridged periodic mesoporous organosilica as an efficient HER catalyst. <i>Sustainable Energy and Fuels</i> , 2022, 6, 398-407.	4.9	6
53	Thiol-Functionalized Ethylene Periodic Mesoporous Organosilica as an Efficient Scavenger for Palladium: Confirming the Homogeneous Character of the Suzuki Reaction. <i>Materials</i> , 2020, 13, 623.	2.9	5
54	Microstructural analysis of 3D hierarchical composites of hydrotalcite-coated silica microspheres. <i>Microporous and Mesoporous Materials</i> , 2021, 323, 111247.	4.4	5

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55	2-Pyridyl-Benzimidazole-Pd (II) Complex Supported on Magnetic SBA-15: An Efficient and Magnetically Retrievable Catalyst for the Heck Reaction. <i>ChemistrySelect</i> , 2021, 6, 13060-13067.	1.5	5
56	2-Pyridyl-benzimidazole-Pd(II)/Pd(0) Supported on Magnetic Mesoporous Silica: Aerobic Oxidation of Benzyl Alcohols/Benzaldehydes and Reduction of Nitroarenes. <i>Catalysis Surveys From Asia</i> , 2022, 26, 193-210.	2.6	5
57	Evaluation of different bridged organosilicas as efficient adsorbents for the herbicide S-metolachlor. <i>RSC Advances</i> , 2015, 5, 24158-24166.	3.6	4
58	Hydroxyl-Decorated Diiron Complex as a [FeFe]-Hydrogenase Active Site Model Complex: Light-Driven Photocatalytic Activity and Heterogenization on Ethylene-Bridged Periodic Mesoporous Organosilica. <i>Catalysts</i> , 2022, 12, 254.	3.5	4
59	Characterization of Wallpaintings from the Caliphal Baths of Cordoba (Spain) by X-Ray Diffraction and Raman Microspectroscopy. <i>Analytical Letters</i> , 2019, 52, 411-422.	1.8	3
60	Preparation of graphene-based nanomaterials by pulsed RF discharges on liquid organic compounds. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 435202.	2.8	3
61	Surface Diels-Alder adducts on multilayer graphene for the generation of edge-enriched single-atom FeN ₄ sites for ORR and OER electrocatalysis. <i>Sustainable Energy and Fuels</i> , 2022, 6, 1603-1615.	4.9	3
62	A multi-analytical study of funerary wall paintings in the Roman necropolis of Camino Viejo de Almod�var (C�rdoba, Spain). <i>European Physical Journal Plus</i> , 2020, 135, 1.	2.6	2
63	Analysis of mortars from the castle keep in Priego de Cordoba (Spain). <i>Vibrational Spectroscopy</i> , 2021, 112, 103184.	2.2	2
64	Oleate Epoxidation in a Confined Matrix of Hydrotalcite. <i>ACS Omega</i> , 2020, 5, 619-625.	3.5	1
65	Efficient Removal of Nonylphenol Isomers from Water by Use of Organo-Hydrotalcites. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 7214.	2.6	0
66	Three-Dimensional Hierarchical Hydrotalcite-Silica Sphere Composites as Catalysts for Baeyer-Villiger Oxidation Reactions Using Hydrogen Peroxide. <i>Catalysts</i> , 2022, 12, 629.	3.5	0