

Mariana I C R S Sardo

List of Publications by Year in descending order

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36
papers

1,092
citations

394286

19
h-index

395590

33
g-index

39
all docs

39
docs citations

39
times ranked

1757
citing authors

#	ARTICLE	IF	CITATIONS
1	Zeolite Structures Loading with an Anticancer Compound As Drug Delivery Systems. <i>Journal of Physical Chemistry C</i> , 2012, 116, 25642-25650.	1.5	120
2	Water-soluble Polymeric Carbon Nitride Colloidal Nanoparticles for Highly Selective Quasi-homogeneous Photocatalysis. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 487-495.	7.2	107
3	Potential of 5-fluorouracil encapsulated in zeolites as drug delivery systems for in vitro models of colorectal carcinoma. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 112, 237-244.	2.5	90
4	The solid-liquid phase diagrams of binary mixtures of consecutive, even saturated fatty acids. <i>Chemistry and Physics of Lipids</i> , 2009, 160, 85-97.	1.5	75
5	Catalytic dehydration of fructose to HMF over sulfonic acid functionalized periodic mesoporous organosilicas: role of the acid density. <i>Catalysis Science and Technology</i> , 2014, 4, 2235-2240.	2.1	62
6	X-ray and NMR Crystallography Studies of Novel Theophylline Cocrystals Prepared by Liquid Assisted Grinding. <i>Crystal Growth and Design</i> , 2015, 15, 3674-3683.	1.4	57
7	The solid-liquid phase diagrams of binary mixtures of consecutive, even saturated fatty acids: differing by four carbon atoms. <i>Chemistry and Physics of Lipids</i> , 2009, 157, 40-50.	1.5	54
8	Interaction of CO ₂ and CH ₄ with Functionalized Periodic Mesoporous Phenylene-Silica: Periodic DFT Calculations and Gas Adsorption Measurements. <i>Journal of Physical Chemistry C</i> , 2016, 120, 3863-3875.	1.5	41
9	Combining Multinuclear High-Resolution Solid-State MAS NMR and Computational Methods for Resonance Assignment of Glutathione Tripeptide. <i>Journal of Physical Chemistry A</i> , 2012, 116, 6711-6719.	1.1	40
10	Unravelling the Structure of Chemisorbed CO ₂ Species in Mesoporous Aminosilicas: A Critical Survey. <i>Environmental Science & Technology</i> , 2019, 53, 2758-2767.	4.6	36
11	Thermal and mechanical stability of lanthanide-containing glass-ceramic sealants for solid oxide fuel cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1834-1846.	5.2	31
12	Packing Interactions and Physicochemical Properties of Novel Multicomponent Crystal Forms of the Anti-Inflammatory Azelaic Acid Studied by X-ray and Solid-State NMR. <i>Crystal Growth and Design</i> , 2016, 16, 154-166.	1.4	30
13	Diazole-based powdered cocrystal featuring a helical hydrogen-bonded network: Structure determination from PXRD, solid-state NMR and computer modeling. <i>Solid State Nuclear Magnetic Resonance</i> , 2015, 65, 49-63.	1.5	28
14	Unravelling moisture-induced CO ₂ chemisorption mechanisms in amine-modified sorbents at the molecular scale. <i>Journal of Materials Chemistry A</i> , 2021, 9, 5542-5555.	5.2	28
15	Surface-enhanced Raman scattering of 5-fluorouracil adsorbed on silver nanostructures. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 7437.	1.3	23
16	¹ H- ³¹ P HETCOR NMR elucidates the nature of acid sites in zeolite HZSM-5 probed with trimethylphosphine oxide. <i>Chemical Communications</i> , 2019, 55, 12635-12638.	2.2	23
17	Hydrogen bonding in nitrofurantoin polymorphs: a computation-assisted spectroscopic study. <i>Journal of Raman Spectroscopy</i> , 2009, 40, 1956-1965.	1.2	22
18	Comparison of different silica microporous structures as drug delivery systems for in vitro models of solid tumors. <i>RSC Advances</i> , 2017, 7, 13104-13111.	1.7	22

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19	Detecting Proton Transfer in CO ₂ Species Chemisorbed on Amine-Modified Mesoporous Silicas by Using ¹³ C-NMR Chemical Shift Anisotropy and Smart Control of Amine Surface Density. <i>Chemistry - A European Journal</i> , 2018, 24, 10136-10145.	1.7	21
20	Monitoring hydration in lime-metakaolin composites using electrochemical impedance spectroscopy and nuclear magnetic resonance spectroscopy. <i>Clay Minerals</i> , 2014, 49, 341-358.	0.2	19
21	Enhancing Adamantylamine Solubility through Salt Formation: Novel Products Studied by X-ray Diffraction and Solid-State NMR. <i>Crystal Growth and Design</i> , 2019, 19, 1860-1873.	1.4	19
22	Pseudopolymorphic transitions of niclosamide monitored by Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2008, 39, 1915-1924.	1.2	17
23	PAIN with and without PAR: variants for third-spin assisted heteronuclear polarization transfer. <i>Journal of Biomolecular NMR</i> , 2013, 56, 365-377.	1.6	17
24	Micro- and Mesoporous Structures as Drug Delivery Carriers for Salicylic Acid. <i>Journal of Physical Chemistry C</i> , 2015, 119, 3589-3595.	1.5	16
25	Water-Soluble Polymeric Carbon Nitride Colloidal Nanoparticles for Highly Selective Quasi-Homogeneous Photocatalysis. <i>Angewandte Chemie</i> , 2020, 132, 495-503.	1.6	15
26	3D-2D-1D Stepwise Deconstruction of a Water Framework Templated by a Nanoporous Organic-Inorganic Hybrid Host. <i>Chemistry - A European Journal</i> , 2010, 16, 7741-7749.	1.7	14
27	Melilite glass-ceramic sealants for solid oxide fuel cells: effects of ZrO ₂ additions assessed by microscopy, diffraction and solid-state NMR. <i>Journal of Materials Chemistry A</i> , 2013, 1, 6471.	5.2	13
28	Microwave-assisted N,N-dialkylation of amine-functionalized periodic mesoporous phenylene-silica: An easy and fast way to design materials. <i>Microporous and Mesoporous Materials</i> , 2017, 249, 10-15.	2.2	11
29	Hidden CO ₂ in Amine-Modified Porous Silicas Enables Full Quantitative NMR Identification of Physi- and Chemisorbed CO ₂ Species. <i>Journal of Physical Chemistry C</i> , 2021, 125, 14797-14806.	1.5	10
30	Surface enhanced Raman scattering of trans-3-hydroxycinnamic acid adsorbed on silver nanoparticles. <i>Chemical Physics Letters</i> , 2008, 467, 101-104.	1.2	8
31	Moisture effect on the separation of CO ₂ /CH ₄ mixtures with amine-functionalised porous silicas. <i>Chemical Engineering Journal</i> , 2022, 443, 136271.	6.6	8
32	Inclusion compounds of phenol derivatives with cyclodextrins: a combined spectroscopic and thermal analysis. <i>Journal of Raman Spectroscopy</i> , 2009, 40, 1624-1633.	1.2	4
33	Revisiting the crystal structure of dickite: X-ray diffraction, solid-state NMR, and DFT calculations study. <i>American Mineralogist</i> , 2018, 103, 812-818.	0.9	4
34	Nature of the multicomponent crystal of salicylic acid and 1,2-phenylenediamine. <i>CrystEngComm</i> , 2020, 22, 708-719.	1.3	4
35	Hydrogen bonding networks in gabapentin protic pharmaceutical salts: NMR and in silico studies. <i>Magnetic Resonance in Chemistry</i> , 2019, 57, 243-255.	1.1	2
36	Chapter 6. Characterization of Pharmaceutical Solids Combining NMR, X-ray diffraction and Computer Modelling. <i>RSC Drug Discovery Series</i> , 0, , 120-169.	0.2	0