Mariana I C R S Sardo

List of Publications by Year
in descending order

36 papers	1,092 citations	394421 19 h-index	395702 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. Journal of Physical Chemistry C, 2012, 116, 25642-25650.	3.1	120
2	Waterâ€Soluble Polymeric Carbon Nitride Colloidal Nanoparticles for Highly Selective Quasiâ€Homogeneous Photocatalysis. Angewandte Chemie - International Edition, 2020, 59, 487-495.	13.8	107
3	Potentiation of 5-fluorouracil encapsulated in zeolites as drug delivery systems for in vitro models of colorectal carcinoma. Colloids and Surfaces B: Biointerfaces, 2013, 112, 237-244.	5.0	90
4	The solidâ€"liquid phase diagrams of binary mixtures of consecutive, even saturated fatty acids. Chemistry and Physics of Lipids, 2009, 160, 85-97.	3.2	75
5	Catalytic dehydration of fructose to HMF over sulfonic acid functionalized periodic mesoporous organosilicas: role of the acid density. Catalysis Science and Technology, 2014, 4, 2235-2240.	4.1	62
6	X-ray and NMR Crystallography Studies of Novel Theophylline Cocrystals Prepared by Liquid Assisted Grinding. Crystal Growth and Design, 2015, 15, 3674-3683.	3.0	57
7	The solidâ€"liquid phase diagrams of binary mixtures of consecutive, even saturated fatty acids: differing by four carbon atoms. Chemistry and Physics of Lipids, 2009, 157, 40-50.	3.2	54
8	Interaction of CO₂ and CH₄ with Functionalized Periodic Mesoporous Phenyleneâ€"Silica: Periodic DFT Calculations and Gas Adsorption Measurements. Journal of Physical Chemistry C, 2016, 120, 3863-3875.	3.1	41
9	Combining Multinuclear High-Resolution Solid-State MAS NMR and Computational Methods for Resonance Assignment of Glutathione Tripeptide. Journal of Physical Chemistry A, 2012, 116, 6711-6719.	2.5	40
10	Unravelling the Structure of Chemisorbed CO₂ Species in Mesoporous Aminosilicas: A Critical Survey. Environmental Science & Technology, 2019, 53, 2758-2767.	10.0	36
11	Thermal and mechanical stability of lanthanide-containing glassâ€"ceramic sealants for solid oxide fuel cells. Journal of Materials Chemistry A, 2014, 2, 1834-1846.	10.3	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. Crystal Growth and Design, 2016, 16, 154-166.	3.0	30
13	Diazole-based powdered cocrystal featuring a helical hydrogen-bonded network: Structure determination from PXRD, solid-state NMR and computer modeling. Solid State Nuclear Magnetic Resonance, 2015, 65, 49-63.	2.3	28
14	Unravelling moisture-induced CO₂ chemisorption mechanisms in amine-modified sorbents at the molecular scale. Journal of Materials Chemistry A, 2021, 9, 5542-5555.	10.3	28
15	Surface-enhanced Raman scattering of 5-fluorouracil adsorbed on silver nanostructures. Physical Chemistry Chemical Physics, 2009, 11, 7437.	2.8	23
16	1Hâ€"31P HETCOR NMR elucidates the nature of acid sites in zeolite HZSM-5 probed with trimethylphosphine oxide. Chemical Communications, 2019, 55, 12635-12638.	4.1	23
17	Hydrogen bonding in nitrofurantoin polymorphs: a computationâ€assisted spectroscopic study. Journal of Raman Spectroscopy, 2009, 40, 1956-1965.	2.5	22
18	Comparison of different silica microporous structures as drug delivery systems for in vitro models of solid tumors. RSC Advances, 2017, 7, 13104-13111.	3.6	22

#	Article	IF	Citations
19	Detecting Proton Transfer in CO₂ Species Chemisorbed on Amineâ€Modified Mesoporous Silicas by Using ¹³Câ€...NMR Chemical Shift Anisotropy and Smart Control of Amine Surface Density. Chemistry - A European Journal, 2018, 24, 10136-10145.	3.3	21
20	Monitoring hydration in lime-metakaolin composites using electrochemical impedance spectroscopy and nuclear magnetic resonance spectroscopy. Clay Minerals, 2014, 49, 341-358.	0.6	19
21	Enhancing Adamantylamine Solubility through Salt Formation: Novel Products Studied by X-ray Diffraction and Solid-State NMR. Crystal Growth and Design, 2019, 19, 1860-1873.	3.0	19
22	Pseudopolymorphic transitions of niclosamide monitored by Raman spectroscopy. Journal of Raman Spectroscopy, 2008, 39, 1915-1924.	2.5	17
23	PAIN with and without PAR: variants for third-spin assisted heteronuclear polarization transfer. Journal of Biomolecular NMR, 2013, 56, 365-377.	2.8	17
24	Micro- and Mesoporous Structures as Drug Delivery Carriers for Salicylic Acid. Journal of Physical Chemistry C, 2015, 119, 3589-3595.	3.1	16
25	Waterâ€Soluble Polymeric Carbon Nitride Colloidal Nanoparticles for Highly Selective Quasiâ€Homogeneous Photocatalysis. Angewandte Chemie, 2020, 132, 495-503.	2.0	15
26	3Dâ€“2Dâ€“0D Stepwise Deconstruction of a Water Framework Templated by a Nanoporous Organicâ€“Inorganic Hybrid Host. Chemistry - A European Journal, 2010, 16, 7741-7749.	3.3	14
27	Melilite glassâ€“ceramic sealants for solid oxide fuel cells: effects of ZrO2 additions assessed by microscopy, diffraction and solid-state NMR. Journal of Materials Chemistry A, 2013, 1, 6471.	10.3	13
28	Microwave-assisted N,N-dialkylation of amine-functionalized periodic mesoporous phenylene-silica: An easy and fast way to design materials. Microporous and Mesoporous Materials, 2017, 249, 10-15.	4.4	11
29	â€œHiddenâ€•CO₂ in Amine-Modified Porous Silicas Enables Full Quantitative NMR Identification of Physi- and Chemisorbed CO₂ Species. Journal of Physical Chemistry C, 2021, 125, 14797-14806.	3.1	10
30	Surface enhanced Raman scattering of trans-3-hydroxycinnamic acid adsorbed on silver nanoparticles. Chemical Physics Letters, 2008, 467, 101-104.	2.6	8
31	Moisture effect on the separation of CO2/CH4 mixtures with amine-functionalised porous silicas. Chemical Engineering Journal, 2022, 443, 136271.	12.7	8
32	Inclusion compounds of phenol derivatives with cyclodextrins: a combined spectroscopic and thermal analysis. Journal of Raman Spectroscopy, 2009, 40, 1624-1633.	2.5	4
33	Revisiting the crystal structure of dickite: X-ray diffraction, solid-state NMR, and DFT calculations study. American Mineralogist, 2018, 103, 812-818.	1.9	4
34	Nature of the multicomponent crystal of salicylic acid and 1,2-phenylenediamine. CrystEngComm, 2020, 22, 708-719.	2.6	4
35	Hydrogen bonding networks in gabapentin protic pharmaceutical salts: NMR and in silico studies. Magnetic Resonance in Chemistry, 2019, 57, 243-255.	1.9	2
36	Chapter 6. Characterization of Pharmaceutical Solids Combining NMR, X-ray diffraction and Computer Modelling. RSC Drug Discovery Series, 0, , 120-169.	0.3	0