

Bruno Alonso

List of Publications by Year in descending order

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46
papers

4,394
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471509

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Ionic guest in ionic host: ionosilica ionogel composites <i>via</i> ionic liquid confinement in ionosilica supports. <i>Materials Chemistry Frontiers</i> , 2022, 6, 939-947.	5.9	6
2	Host-Guest Silicalite-1 Zeolites: Correlated Disorder and Phase Transition Inhibition by a Small Guest Modification. <i>Chemistry of Materials</i> , 2022, 34, 366-387.	6.7	5
3	Regression Machine Learning Models Used to Predict DFT-Computed NMR Parameters of Zeolites. <i>Computation</i> , 2022, 10, 74.	2.0	6
4	Silica-based fibers with axially aligned mesopores from chitin self-assembly and sol-gel chemistry. <i>Microporous and Mesoporous Materials</i> , 2022, 341, 112057.	4.4	0
5	Looking into the dynamics of molecular crystals of ibuprofen and terephthalic acid using ¹⁷ O and ² H nuclear magnetic resonance analyses. <i>Magnetic Resonance in Chemistry</i> , 2021, 59, 975-990.	1.9	11
6	High-Pressure Synthesis and Gas-Sensing Tests of 1-D Polymer/Aluminophosphate Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 27237-27244.	8.0	5
7	Labeling and Probing the Silica Surface Using Mechanochemistry and ¹⁷ O NMR Spectroscopy**. <i>Chemistry - A European Journal</i> , 2021, 27, 12574-12588.	3.3	10
8	Ubiquitous Presence of Intermolecular CH-O Hydrogen Bonds in As-synthesized Host-Guest Zeolite Materials. <i>ChemistrySelect</i> , 2021, 6, 9728-9734.	1.5	2
9	Zeolite Structure Direction: Identification, Strength and Involvement of Weak CH...O Hydrogen Bonds. <i>ChemPhysChem</i> , 2020, 21, 149-153.	2.1	11
10	Phosphorylated Micro- and Nanocellulose-Filled Chitosan Nanocomposites as Fully Sustainable, Biologically Active Bioplastics. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 18354-18365.	6.7	35
11	Direct ¹⁷ O Isotopic Labeling of Oxides Using Mechanochemistry. <i>Inorganic Chemistry</i> , 2020, 59, 13050-13066.	4.0	24
12	Host-Guest and Guest-Guest Interactions of P- and N-Containing Structure Directing Agents Entrapped inside MFI-Type Zeolite by Multinuclear NMR Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2019, 123, 22324-22334.	3.1	9
13	From nano- to micro-particles of polysaccharide-silica composites through self-assembly and sol-gel processes. , 2019, , 87-104.		1
14	Insertion and Confinement of H ₂ O in Hydrophobic Siliceous Zeolites at High Pressure. <i>Journal of Physical Chemistry C</i> , 2019, 123, 17432-17439.	3.1	8
15	ZSM-5 Zeolite: Complete Al Bond Connectivity and Implications on Structure Formation from Solid-State NMR and Quantum Chemistry Calculations. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 19-24.	4.6	47
16	Rheological behavior of hybrid suspensions of chitin nanorods and siloxane oligomers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 558, 470-478.	4.7	3
17	Hybrid Nanocomposites Through Colloidal Interactions Between Crystalline Polysaccharide Nanoparticles and Oxide Precursors. , 2018, , 3213-3251.		0
18	PeakForce QNM AFM study of chitin-silica hybrid films. <i>Carbohydrate Polymers</i> , 2017, 166, 139-145.	10.2	13

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19	Biobased Cellulosic ² Nanocomposites for Optoelectronic Applications. ACS Sustainable Chemistry and Engineering, 2017, 5, 3115-3122.	6.7	24
20	Intermolecular interactions in AST zeolites through ¹⁴ N NMR and DFT calculations. Acta Crystallographica Section C, Structural Chemistry, 2017, 73, 202-207.	0.5	6
21	Synthesis of textured polysaccharide ^{silica} nanocomposites: a comparison between cellulose and chitin nanorod precursors. New Journal of Chemistry, 2017, 41, 6014-6024.	2.8	5
22	Probing Disorder in Al-ZSM-5 Zeolites by ¹⁴ N NMR Spectroscopy. Journal of Physical Chemistry C, 2017, 121, 15831-15841.	3.1	14
23	Recent Advances in ¹⁴ N Solid-State NMR. Annual Reports on NMR Spectroscopy, 2016, 87, 175-235.	1.5	18
24	Hybrid Nanocomposites Through Colloidal Interactions Between Crystalline Polysaccharide Nanoparticles and Oxide Precursors. , 2016, , 1-39.		1
25	Mesoporous Alumina from Colloidal Biotemplating of Al Clusters. Chemistry - A European Journal, 2015, 21, 3206-3210.	3.3	15
26	Improved silica ^{titanium} catalysts by chitin biotemplating. Catalysis Science and Technology, 2015, 5, 415-427.	4.1	27
27	Preferential orientations of structure directing agents in zeolites. Dalton Transactions, 2015, 44, 16680-16683.	3.3	13
28	DFT-D Study of ¹⁴ N Nuclear Quadrupolar Interactions in Tetra- <i>n</i> -alkyl Ammonium Halide Crystals. Journal of Physical Chemistry A, 2014, 118, 3525-3533.	2.5	10
29	Encapsulation of complementary model drugs in spray-dried nanostructured materials. Journal of Sol-Gel Science and Technology, 2013, 68, 307-316.	2.4	9
30	¹⁴ N solid-state NMR: a sensitive probe of the local order in zeolites. Physical Chemistry Chemical Physics, 2013, 15, 18349.	2.8	19
31	Solid-state NMR studies of micelle-templated mesoporous solids. Chemical Society Reviews, 2013, 42, 3808-3820.	38.1	14
32	Electric-Field Alignment of Chitin Nanorod ^{Siloxane Oligomer} Reactive Suspensions. Langmuir, 2013, 29, 8208-8212.	3.5	30
33	Efficient mesoporous silica ^{titanium} catalysts from colloidal self-assembly. Chemical Communications, 2012, 48, 10648.	4.1	39
34	Drug nano-domains in spray-dried ibuprofen ^{silica} microspheres. Physical Chemistry Chemical Physics, 2012, 14, 12285.	2.8	16
35	¹⁴ N: A Sensitive NMR Probe for the Study of Surfactant ^{Oxide} Interfaces. Journal of Physical Chemistry C, 2011, 115, 19293-19302.	3.1	17
36	Tunable hierarchical porosity from self-assembled chitin ^{silica} nano-composites. Journal of Materials Chemistry, 2011, 21, 16997.	6.7	37

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37	Perspectives in ^1H , ^{14}N and ^{81}Br solid-state NMR studies of interfaces in materials textured by self-assembled amphiphiles. <i>Comptes Rendus Chimie</i> , 2010, 13, 431-442.	0.5	16
38	Chitin-Silica Nanocomposites by Self-Assembly. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 8201-8204.	13.8	77
39	Tuning nanophase separation and drug delivery kinetics through spray drying and self-assembly. <i>New Journal of Chemistry</i> , 2010, 34, 607.	2.8	11
40	Hybrid Organic-Inorganic Mesostructured Membranes: Interfaces and Organization at Different Length Scales. <i>Journal of Physical Chemistry C</i> , 2010, 114, 11730-11740.	3.1	17
41	^{14}N and ^{81}Br Quadrupolar Nuclei as Sensitive NMR Probes of <i>n</i> -Alkyltrimethylammonium Bromide Crystal Structures. An Experimental and Theoretical Study. <i>Journal of Physical Chemistry B</i> , 2009, 113, 11906-11920.	2.6	28
42	Spray-dried mesoporous silica microspheres with adjustable textures and pore surfaces homogenously covered by accessible thiol functions. <i>Journal of Materials Chemistry</i> , 2008, 18, 1368.	6.7	45
43	New insights into the formation of textures through spray-drying and self-assembly. <i>Microporous and Mesoporous Materials</i> , 2007, 106, 76-94.	4.4	18
44	Morphological and textural control of spray-dried mesoporous silica-based spheres. <i>Journal of Materials Chemistry</i> , 2004, 14, 2006-2016.	6.7	33
45	Multi-scale NMR characterisation of mesostructured materials using through-bond polarisation transfer, fast MAS, and spin diffusion. <i>Journal of Magnetic Resonance</i> , 2003, 163, 347-352.	2.1	64
46	Modelling one- and two-dimensional solid-state NMR spectra. <i>Magnetic Resonance in Chemistry</i> , 2002, 40, 70-76.	1.9	3,565