Francisco J MartÃ-nez-Casado

List of Publications by Year
in descending order

39 papers	918 citations	394421 19 h-index	454955 30 g-index
40 all docs	40 docs citations	40 times ranked	1541 citing authors

#	Article	IF	Citations
1	Physicochemistry of Pure Lead(II) Soaps: Crystal Structures, Solid and Liquid Mesophases, and Glass Phases â€“ Crystallographic, Calorimetric, and Pair Distribution Function Analysis. Cultural Heritage Science, 2019, , 227-239.	0.4	1
2	Production and Characterization of a New Copper(II) Propanoate-Isonicotinamide Adduct Obtained via Slow Evaporation and using Supercritical CO₂ as an Antisolvent. Crystal Growth and Design, 2019, 19, 620-629.	3.0	5
3	Methane adsorption and methanol desorption of copper modified boron silicate. RSC Advances, 2018, 8, 36369-36374.	3.6	3
4	Pressure-induced dimerization and valence bond crystal formation in the Kitaev-Heisenberg magnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î±</mml:mi><mml:mtext>â^’</mml:mtext><mml:msub>< Physical Review B, 2018, 97, .	3.2	75
5	Lead(<scp>ii</scp>) soaps: crystal structures, polymorphism, and solid and liquid mesophases. Physical Chemistry Chemical Physics, 2017, 19, 17009-17018.	2.8	22
6	In Situ Synchrotron X-ray Diffraction Analysis of the Setting Process of Brushite Cement: Reaction and Crystal Growth. ACS Applied Materials & Interfaces, 2017, 9, 36392-36399.	8.0	8
7	CO Oxidation and Site Speciation for Alloyed Palladiumâ€“Platinum Model Catalysts Studied by in Situ FTIR Spectroscopy. Journal of Physical Chemistry C, 2017, 121, 26321-26329.	3.1	14
8	Insights into formation and stability of Ï„-MnAlZx (ZÂ=ÂC and B). Journal of Alloys and Compounds, 2017, 692, 198-203.	5.5	37
9	Unraveling the Decomposition Process of Lead(II) Acetate: Anhydrous Polymorphs, Hydrates, and Byproducts and Room Temperature Phosphorescence. Inorganic Chemistry, 2016, 55, 8576-8586.	4.0	38
10	Characterization of Surface Structure and Oxidation/Reduction Behavior of Pdâ€“Pt/Al₂O₃ Model Catalysts. Journal of Physical Chemistry C, 2016, 120, 28009-28020.	3.1	25
11	Magnetostructural transition in Fe5SiB2 observed with neutron diffraction. Journal of Solid State Chemistry, 2016, 235, 113-118.	2.9	19
12	Bioinspired Citrateâ€“Apatite Nanocrystals Doped with Divalent Transition Metal Ions. Crystal Growth and Design, 2016, 16, 145-153.	3.0	32
13	High-Quality Metalâ€“Organic Framework Ultrathin Films for Electronically Active Interfaces. Journal of the American Chemical Society, 2016, 138, 2576-2584.	13.7	61
14	Pharmaceutical co-crystals of the anti-inflammatory drug diflunisal and nicotinamide obtained using supercritical CO2 as an antisolvent. Journal of CO2 Utilization, 2016, 13, 29-37.	6.8	60
15	Study of the Polymorphism in Copper(II) Decanoate through Its Phase Diagram with Decanoic Acid, and Texture of the Columnar Thermotropic Liquid Crystal Developable Domains in This and Similar Systems. Crystal Growth and Design, 2015, 15, 497-509.	3.0	11
16	Homoleptic Iron(II) Complexes with the Ionogenic Ligand 6,6â€²-Bis(1H-tetrazol-5-yl)-2,2â€²-bipyridine: Spin Crossover Behavior in a Singular 2D Spin Crossover Coordination Polymer. Inorganic Chemistry, 2015, 54, 7424-7432.	4.0	34
17	Status of the crystallography beamlines at the MAX IV Laboratory. European Physical Journal Plus, 2015, 130, 1.	2.6	2
18	New Advances in the One-Dimensional Coordination Polymer Copper(II) Alkanoates Series: Monotropic Polymorphism and Mesomorphism. Crystal Growth and Design, 2015, 15, 2005-2016.	3.0	6

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19	Reaction-driven Ion Exchange of Copper into Zeolite SSZ-13. ACS Catalysis, 2015, 5, 6209-6218.	11.2	75
20	Synthesis and single crystal study of CuMn3As2 and Cu2Mn4As3. Journal of Alloys and Compounds, 2015, 650, 224-227.	5.5	9
21	Pyrite framboid size distribution as a record for relative variations in sedimentation rate: An example on the Toarcian Oceanic Anoxic Event in Southiberian Palaeomargin. Sedimentary Geology, 2015, 330, 59-73.	2.1	39
22	Short lead(<scp>ii</scp>) soaps: from weakly fluorescent crystals to strongly phosphorescent and structurally varied vitreous phases. A thermal, structural and spectroscopic study. Journal of Materials Chemistry C, 2014, 2, 9489-9496.	5.5	15
23	Effect of mesogenic organic salts on vulcanization and physical properties of rubber compounds. Polymer International, 2014, 63, 136-144.	3.1	5
24	Luminescent lead(ii) complexes: new three-dimensional mixed ligand MOFs. CrystEngComm, 2012, 14, 2660.	2.6	29
25	The role of calorimetry in the structural study of mesophases and their glass states. Journal of Thermal Analysis and Calorimetry, 2012, 108, 399-413.	3.6	27
26	Lithiumâ€“thallium(i) butyrates binary system: an intermediate salt and liquid crystal from non-mesogenic compounds.. RSC Advances, 2011, 1, 147.	3.6	9
27	Lithium and Lead(II) Butyrates Binary System. Pure Compounds and an Intermediate Salt: From 2D to 3D Coordination Polymers. Crystal Growth and Design, 2011, 11, 759-767.	3.0	19
28	Manganese(II) Butyrate-Based MOFs: Structures, Thermal and Magnetic Properties. Crystal Growth and Design, 2011, 11, 4080-4089.	3.0	8
29	A three-dimensional copper(ii) 12-metallacrown-4 complex with malonomonohydroxamic acid (H3mmh) as a ligand. New Journal of Chemistry, 2011, 35, 1817.	2.8	26
30	Anhydrous Lithium Acetate Polymorphs and Its Hydrates: Three-Dimensional Coordination Polymers. Crystal Growth and Design, 2011, 11, 1021-1032.	3.0	29
31	Curing and Dynamic Mechanical Thermal Properties of Epoxy/Clay Nanocomposites. Journal of Nanoscience and Nanotechnology, 2010, 10, 2870-2879.	0.9	17
32	Solid Crystal Network of Self-Assembled Cyclodextrin and Nonionic Surfactant Pseudorotaxanes. Journal of Physical Chemistry B, 2010, 114, 11489-11495.	2.6	15
33	Thermal and Structural Study of the Crystal Phases and Mesophases in the Lithium and Thallium(I) Propanoates and Pentanoates Binary Systems: Formation of Mixed Salts and Stabilization of the Ionic Liquid Crystal Phase. Journal of Physical Chemistry B, 2010, 114, 10075-10085.	2.6	21
34	Structural and Thermodynamic Study on Short Metal Alkanoates: Lithium Propanoate and Pentanoate. Journal of Physical Chemistry B, 2009, 113, 12896-12902.	2.6	32
35	Monotropic Polymorphism in Copper(II) Decanoate. Crystal Growth and Design, 2008, 8, 2547-2554.	3.0	20
36	A Novel Rotator Glass in Lead(II) Pentanoate: Calorimetric and Spectroscopic Study. Journal of Physical Chemistry B, 2008, 112, 16601-16609.	2.6	15

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37	Intermediate Rotator Phase in Lead(II) Alkanoates. Journal of Physical Chemistry C, 2007, 111, 6826-6831.	3.1	21
38	Short chain lead (II) alkanoates as ionic liquids and glass formers: A d.s.c., X-ray diffraction and FTIR spectroscopy study. Journal of Chemical Thermodynamics, 2007, 39, 455-461.	2.0	19
39	Rubidium and lithium butanoates binary phase diagram. Journal of Thermal Analysis and Calorimetry, 2007, 87, 73-77.	3.6	15