

# Francisco J MartÃ- nez-Casado

## List of Publications by Year in descending order

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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	Reaction-driven Ion Exchange of Copper into Zeolite SSZ-13. <i>ACS Catalysis</i> , 2015, 5, 6209-6218.	11.2	75
2	Pressure-induced dimerization and valence bond crystal formation in the Kitaev-Heisenberg magnet $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \hat{\pm} \langle \text{mml:mi} \rangle \langle \text{mml:mtext} \rangle \hat{\sim} \langle \text{mml:mtext} \rangle \langle \text{mml:msub} \rangle <$ <i>Physical Review B</i> , 2018, 97, .	3.2	75
3	High-Quality Metal-Organic Framework Ultrathin Films for Electronically Active Interfaces. <i>Journal of the American Chemical Society</i> , 2016, 138, 2576-2584.	13.7	61
4	Pharmaceutical co-crystals of the anti-inflammatory drug diflunisal and nicotinamide obtained using supercritical CO <sub>2</sub> as an antisolvent. <i>Journal of CO<sub>2</sub> Utilization</i> , 2016, 13, 29-37.	6.8	60
5	Pyrite framboid size distribution as a record for relative variations in sedimentation rate: An example on the Toarcian Oceanic Anoxic Event in Southiberian Palaeomargin. <i>Sedimentary Geology</i> , 2015, 330, 59-73.	2.1	39
6	Unraveling the Decomposition Process of Lead(II) Acetate: Anhydrous Polymorphs, Hydrates, and Byproducts and Room Temperature Phosphorescence. <i>Inorganic Chemistry</i> , 2016, 55, 8576-8586.	4.0	38
7	Insights into formation and stability of $\text{L}_{1-x}\text{MnAlZ}_x$ ( $Z = \text{C}$ and $\text{B}$ ). <i>Journal of Alloys and Compounds</i> , 2017, 692, 198-203.	5.5	37
8	Homoleptic Iron(II) Complexes with the Ionogenic Ligand 6,6'-Bis(1 <i>H</i> -tetrazol-5-yl)-2,2'-bipyridine: Spin Crossover Behavior in a Singular 2D Spin Crossover Coordination Polymer. <i>Inorganic Chemistry</i> , 2015, 54, 7424-7432.	4.0	34
9	Structural and Thermodynamic Study on Short Metal Alkanoates: Lithium Propanoate and Pentanoate. <i>Journal of Physical Chemistry B</i> , 2009, 113, 12896-12902.	2.6	32
10	Bioinspired Citrate-Apatite Nanocrystals Doped with Divalent Transition Metal Ions. <i>Crystal Growth and Design</i> , 2016, 16, 145-153.	3.0	32
11	Anhydrous Lithium Acetate Polymorphs and Its Hydrates: Three-Dimensional Coordination Polymers. <i>Crystal Growth and Design</i> , 2011, 11, 1021-1032.	3.0	29
12	Luminescent lead(ii) complexes: new three-dimensional mixed ligand MOFs. <i>CrystEngComm</i> , 2012, 14, 2660.	2.6	29
13	The role of calorimetry in the structural study of mesophases and their glass states. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 108, 399-413.	3.6	27
14	A three-dimensional copper(ii) 12-metallacrown-4 complex with malonomonohydroxamic acid (H <sub>3</sub> mmh) as a ligand. <i>New Journal of Chemistry</i> , 2011, 35, 1817.	2.8	26
15	Characterization of Surface Structure and Oxidation/Reduction Behavior of Pd <sub>2</sub> Pt/Al <sub>2</sub> O <sub>3</sub> Model Catalysts. <i>Journal of Physical Chemistry C</i> , 2016, 120, 28009-28020.	3.1	25
16	Lead(ii) soaps: crystal structures, polymorphism, and solid and liquid mesophases. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 17009-17018.	2.8	22
17	Intermediate Rotator Phase in Lead(II) Alkanoates. <i>Journal of Physical Chemistry C</i> , 2007, 111, 6826-6831.	3.1	21
18	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. <i>Journal of Physical Chemistry B</i> , 2010, 114, 10075-10085.	2.6	21

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19	Monotropic Polymorphism in Copper(II) Decanoate. <i>Crystal Growth and Design</i> , 2008, 8, 2547-2554.	3.0	20
20	Short chain lead (II) alkanoates as ionic liquids and glass formers: A d.s.c., X-ray diffraction and FTIR spectroscopy study. <i>Journal of Chemical Thermodynamics</i> , 2007, 39, 455-461.	2.0	19
21	Lithium and Lead(II) Butyrates Binary System. Pure Compounds and an Intermediate Salt: From 2D to 3D Coordination Polymers. <i>Crystal Growth and Design</i> , 2011, 11, 759-767.	3.0	19
22	Magnetostructural transition in Fe <sub>5</sub> SiB <sub>2</sub> observed with neutron diffraction. <i>Journal of Solid State Chemistry</i> , 2016, 235, 113-118.	2.9	19
23	Curing and Dynamic Mechanical Thermal Properties of Epoxy/Clay Nanocomposites. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 2870-2879.	0.9	17
24	Rubidium and lithium butanoates binary phase diagram. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007, 87, 73-77.	3.6	15
25	A Novel Rotator Glass in Lead(II) Pentanoate: Calorimetric and Spectroscopic Study. <i>Journal of Physical Chemistry B</i> , 2008, 112, 16601-16609.	2.6	15
26	Solid Crystal Network of Self-Assembled Cyclodextrin and Nonionic Surfactant Pseudorotaxanes. <i>Journal of Physical Chemistry B</i> , 2010, 114, 11489-11495.	2.6	15
27	Short lead(II) soaps: from weakly fluorescent crystals to strongly phosphorescent and structurally varied vitreous phases. A thermal, structural and spectroscopic study. <i>Journal of Materials Chemistry C</i> , 2014, 2, 9489-9496.	5.5	15
28	CO Oxidation and Site Speciation for Alloyed Palladium-Platinum Model Catalysts Studied by <i>in Situ</i> FTIR Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2017, 121, 26321-26329.	3.1	14
29	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. <i>Crystal Growth and Design</i> , 2015, 15, 497-509.	3.0	11
30	Lithium-thallium(i) butyrates binary system: an intermediate salt and liquid crystal from non-mesogenic compounds. <i>RSC Advances</i> , 2011, 1, 147.	3.6	9
31	Synthesis and single crystal study of CuMn <sub>3</sub> As <sub>2</sub> and Cu <sub>2</sub> Mn <sub>4</sub> As <sub>3</sub> . <i>Journal of Alloys and Compounds</i> , 2015, 650, 224-227.	5.5	9
32	Manganese(II) Butyrate-Based MOFs: Structures, Thermal and Magnetic Properties. <i>Crystal Growth and Design</i> , 2011, 11, 4080-4089.	3.0	8
33	In Situ Synchrotron X-ray Diffraction Analysis of the Setting Process of Brushite Cement: Reaction and Crystal Growth. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 36392-36399.	8.0	8
34	New Advances in the One-Dimensional Coordination Polymer Copper(II) Alkanoates Series: Monotropic Polymorphism and Mesomorphism. <i>Crystal Growth and Design</i> , 2015, 15, 2005-2016.	3.0	6
35	Effect of mesogenic organic salts on vulcanization and physical properties of rubber compounds. <i>Polymer International</i> , 2014, 63, 136-144.	3.1	5
36	Production and Characterization of a New Copper(II) Propanoate-Isonicotinamide Adduct Obtained via Slow Evaporation and using Supercritical CO <sub>2</sub> as an Antisolvent. <i>Crystal Growth and Design</i> , 2019, 19, 620-629.	3.0	5

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37	Methane adsorption and methanol desorption of copper modified boron silicate. RSC Advances, 2018, 8, 36369-36374.	3.6	3
38	Status of the crystallography beamlines at the MAX IV Laboratory. European Physical Journal Plus, 2015, 130, 1.	2.6	2
39	Physicochemistry of Pure Lead(II) Soaps: Crystal Structures, Solid and Liquid Mesophases, and Glass Phases – Crystallographic, Calorimetric, and Pair Distribution Function Analysis. Cultural Heritage Science, 2019, , 227-239.	0.4	1