

Jose L Jorda

List of Publications by Year in descending order

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66
papers

4,971
citations

145106

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116156

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docs citations

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times ranked

5448
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#	ARTICLE	IF	CITATIONS
1	Ruthenium isomorphous substitution into manganese oxide octahedral molecular sieve OMS-2: Comparative physico-chemical and catalytic studies of Ru versus abundant metal cationic dopants. <i>Catalysis Today</i> , 2022, 394-396, 414-424.	2.2	7
2	ITQ-69: A Germanium-Containing Zeolite and its Synthesis, Structure Determination, and Adsorption Properties. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11745-11750.	7.2	8
3	ITQ-69: A Germanium-Containing Zeolite and its Synthesis, Structure Determination, and Adsorption Properties. <i>Angewandte Chemie</i> , 2021, 133, 11851-11856.	1.6	1
4	Synthesis and Structure of a 22 Å – 12 Å – 12 Extra-Large Pore Zeolite ITQ-56 Determined by 3D Electron Diffraction. <i>Journal of the American Chemical Society</i> , 2021, 143, 8713-8719.	6.6	22
5	Sequential pore wall functionalization in covalent organic frameworks and application to stable camptothecin delivery systems. <i>Materials Science and Engineering C</i> , 2020, 117, 111263.	3.8	15
6	Synthesis of isomorphically substituted Ru manganese molecular sieves and their catalytic properties for selective alcohol oxidation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 3771-3784.	5.2	17
7	Insights into the formation of metal carbon nanocomposites for energy storage using hybrid NiFe layered double hydroxides as precursors. <i>Chemical Science</i> , 2020, 11, 7626-7633.	3.7	9
8	Use of Alkylarsonium Directing Agents for the Synthesis and Study of Zeolites. <i>Chemistry - A European Journal</i> , 2019, 25, 16390-16396.	1.7	6
9	Cobalt Metal-Organic Framework Based on Two Dinuclear Secondary Building Units for Electrocatalytic Oxygen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 46658-46665.	4.0	40
10	Synthesis and structure determination via ultra-fast electron diffraction of the new microporous zeolitic germanosilicate ITQ-62. <i>Chemical Communications</i> , 2018, 54, 2122-2125.	2.2	23
11	An Ultrahigh CO ₂ -Loaded Silicalite-1 Zeolite: Structural Stability and Physical Properties at High Pressures and Temperatures. <i>Inorganic Chemistry</i> , 2018, 57, 6447-6455.	1.9	19
12	Enhancing the mechanical features of clay surfaces by the absorption of nano-SiO ₂ particles in aqueous media. Case of study on Bronze Age clay objects. <i>Cement and Concrete Composites</i> , 2018, 93, 107-117.	4.6	5
13	Wired metal-organic chalcogenides. <i>Nature Materials</i> , 2017, 16, 287-288.	13.3	2
14	Gas confinement in compartmentalized coordination polymers for highly selective sorption. <i>Chemical Science</i> , 2017, 8, 3109-3120.	3.7	15
15	Structural Evolution of CO ₂ -Filled Pure Silica LTA Zeolite under High-Pressure High-Temperature Conditions. <i>Chemistry of Materials</i> , 2017, 29, 4502-4510.	3.2	20
16	Control of zeolite framework flexibility and pore topology for separation of ethane and ethylene. <i>Science</i> , 2017, 358, 1068-1071.	6.0	304
17	Determination of very beam-sensitive zeolite ITQ-57 by energy-filtered Timepix data. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2017, 73, C64-C64.	0.0	0
18	High-Performance of Gas Hydrates in Confined Nanospace for Reversible CH ₄ /CO ₂ Storage. <i>Chemistry - A European Journal</i> , 2016, 22, 10028-10035.	1.7	19

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19	Correspondence: Strongly-driven Re+CO ₂ redox reaction at high-pressure and high-temperature. <i>Nature Communications</i> , 2016, 7, 13647.	5.8	21
20	Ultrafast Electron Diffraction Tomography for Structure Determination of the New Zeolite ITQ-58. <i>Journal of the American Chemical Society</i> , 2016, 138, 10116-10119.	6.6	78
21	Arsenolite: a quasi-hydrostatic solid pressure-transmitting medium. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 475403.	0.7	3
22	Paving the way for methane hydrate formation on metal-organic frameworks (MOFs). <i>Chemical Science</i> , 2016, 7, 3658-3666.	3.7	103
23	Methane hydrate formation in confined nanospace can surpass nature. <i>Nature Communications</i> , 2015, 6, 6432.	5.8	187
24	The first zeolite with a tri-directional extra-large 14-ring pore system derived using a phosphonium-based organic molecule. <i>Chemical Communications</i> , 2015, 51, 7602-7605.	2.2	47
25	Stimuli-responsive hybrid materials: breathing in magnetic layered double hydroxides induced by a thermoresponsive molecule. <i>Chemical Science</i> , 2015, 6, 1949-1958.	3.7	40
26	Spectroscopic, calorimetric, and catalytic evidences of hydrophobicity on Ti-MCM-41 silylated materials for olefin epoxidations. <i>Applied Catalysis A: General</i> , 2015, 507, 14-25.	2.2	31
27	ITQ-54: a multi-dimensional extra-large pore zeolite with 20 Å– 14 Å– 12-ring channels. <i>Chemical Science</i> , 2015, 6, 480-485.	3.7	74
28	Charge Transfer States in Stable Neutral and Oxidized Radical Adducts from Carbazole Derivatives. <i>Journal of Organic Chemistry</i> , 2014, 79, 1771-1777.	1.7	49
29	Cation Gating and Relocation during the Highly Selective CO_2 Adsorption of Univalent Cation Forms of Zeolite Rho. <i>Chemistry of Materials</i> , 2014, 26, 2052-2061.	3.2	96
30	Photoresponsive Materials: Photo-Switching in a Hybrid Material Made of Magnetic Layered Double Hydroxides Intercalated with Azobenzene Molecules (<i>Adv. Mater.</i> 24/2014). <i>Advanced Materials</i> , 2014, 26, 4188-4188.	11.1	2
31	A New Microporous Zeolitic Silicoborate (ITQ-52) with Interconnected Small and Medium Pores. <i>Journal of the American Chemical Society</i> , 2014, 136, 3342-3345.	6.6	58
32	Photo-Switching in a Hybrid Material Made of Magnetic Layered Double Hydroxides Intercalated with Azobenzene Molecules. <i>Advanced Materials</i> , 2014, 26, 4156-4162.	11.1	52
33	Synthesis of a Novel Zeolite through a Pressure-Induced Reconstructive Phase Transition Process. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10458-10462.	7.2	45
34	TNU-9, a new zeolite for the selective catalytic reduction of NO: An in situ X-ray absorption spectroscopy study. <i>Journal of Catalysis</i> , 2012, 295, 22-30.	3.1	16
35	Synthesis Design and Structure of a Multipore Zeolite with Interconnected 12- and 10-MR Channels. <i>Journal of the American Chemical Society</i> , 2012, 134, 6473-6478.	6.6	75
36	Zeolite Rho: a highly selective adsorbent for CO ₂ /CH ₄ separation induced by a structural phase modification. <i>Chemical Communications</i> , 2012, 48, 215-217.	2.2	143

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37	Synthesis and Structure Determination of a New Microporous Zeolite with Large Cavities Connected by Small Pores. <i>Journal of the American Chemical Society</i> , 2012, 134, 13232-13235.	6.6	58
38	Synthesis and Structure Determination of the Hierarchical Meso-Microporous Zeolite ITQ-43. <i>Science</i> , 2011, 333, 1131-1134.	6.0	353
39	The Synthesis of an Extra-Large-Pore Zeolite with Double Three-Ring Building Units and a Low Framework Density. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4986-4988.	7.2	171
40	Electrochemical characterisation of $\text{MBaCo}_3\text{ZnO}_7 \cdot x\text{H}_2\text{O}$ (M=Y, Er, Tb) as SOFC cathode material with low thermal expansion coefficient. <i>Electrochemistry Communications</i> , 2010, 12, 278-281.	2.3	35
41	Mo-W-containing tetragonal tungsten bronzes through isomorphic substitution of molybdenum by tungsten. <i>Catalysis Today</i> , 2010, 158, 162-169.	2.2	18
42	Modular Organic Structure-Directing Agents for the Synthesis of Zeolites. <i>Science</i> , 2010, 330, 1219-1222.	6.0	136
43	A Miniaturized Linear pH Sensor Based on a Highly Photoluminescent Self-Assembled Europium(III) Metal-Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6476-6479.	7.2	314
44	High-Resolution Transmission Electron Microscopy (HRTEM) and X-ray Diffraction (XRD) Study of the Intergrowth in Zeolites ITQ-13/ITQ-34. <i>Journal of Physical Chemistry C</i> , 2009, 113, 9305-9308.	1.5	8
45	Metal-Organic Nanoporous Structures with Anisotropic Photoluminescence and Magnetic Properties and Their Use as Sensors. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 1080-1083.	7.2	378
46	Synthesis and Structure of Polymorph B of Zeolite Beta. <i>Chemistry of Materials</i> , 2008, 20, 3218-3223.	3.2	80
47	A Zeolitic Structure (ITQ-34) with Connected 9- and 10-Ring Channels Obtained with Phosphonium Cations as Structure Directing Agents. <i>Journal of the American Chemical Society</i> , 2008, 130, 16482-16483.	6.6	114
48	Biodiesel production by immobilized lipase on zeolites and related materials. <i>Studies in Surface Science and Catalysis</i> , 2008, 174, 1011-1016.	1.5	20
49	Synthesis and structure of polymorph B of Beta zeolite. <i>Studies in Surface Science and Catalysis</i> , 2008, 174, 233-236.	1.5	3
50	Charge matching between the occluded organic cations and zeolite framework as structure directing effect in zeolite synthesis. <i>Studies in Surface Science and Catalysis</i> , 2008, 174, 249-252.	1.5	7
51	A new photochemical based route for the preparation of organic structure directing agents useful for zeolite synthesis. <i>Studies in Surface Science and Catalysis</i> , 2007, 170, 330-337.	1.5	2
52	Structural study of pure silica and Gecontaining zeolite ITQ-24. , 2007, , 393-398.		0
53	Direct electron crystallographic determination of zeolite zonal structures. <i>Ultramicroscopy</i> , 2007, 107, 462-473.	0.8	51
54	Rational Design and HT Techniques Allow the Synthesis of New IWR Zeolite Polymorphs. <i>Journal of the American Chemical Society</i> , 2006, 128, 4216-4217.	6.6	93

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55	High-throughput synthesis and catalytic properties of a molecular sieve with 18- and 10-member rings. <i>Nature</i> , 2006, 443, 842-845.	13.7	473
56	Synthesis and structure of Mu-33, a new layered aluminophosphate. <i>Microporous and Mesoporous Materials</i> , 2006, 90, 5-15.	2.2	18
57	Synthesis and Characterization of the All-Silica Pure Polymorph C and an Enriched Polymorph B Intergrowth of Zeolite Beta. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 8013-8015.	7.2	93
58	Synthesis and characterization of two aluminophosphates templated by N-methyl-1,3-diaminopropane. <i>Journal of Solid State Chemistry</i> , 2005, 178, 782-791.	1.4	23
59	Synthesis and structure analysis of the potassium calcium silicate CAS-1. Application of a texture approach to structure solution using data collected in transmission mode. <i>Comptes Rendus Chimie</i> , 2005, 8, 331-339.	0.2	15
60	Structure analysis of the novel microporous aluminophosphate IST-1 using synchrotron powder diffraction data and HETCOR MAS NMR. <i>Microporous and Mesoporous Materials</i> , 2003, 65, 43-57.	2.2	29
61	A zeolite with interconnected 8-, 10- and 12-ring pores and its unique catalytic selectivity. <i>Nature Materials</i> , 2003, 2, 493-497.	13.3	252
62	Preferential Location of Ge Atoms in Polymorph C of Beta Zeolite (ITQ-17) and Their Structure-Directing Effect: A Computational, XRD, and NMR Spectroscopic Study. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 4722-4726.	7.2	137
63	Influence of silylation on the catalytic activity of Ti-MCM-41 during epoxidation of olefins.. <i>Studies in Surface Science and Catalysis</i> , 2000, , 169-178.	1.5	23
64	Ti/ITQ-2, a new material highly active and selective for the epoxidation of olefins with organic hydroperoxides. <i>Chemical Communications</i> , 1999, , 779-780.	2.2	97
65	MCM-41 "Quaternary organic tetraalkylammonium hydroxide composites as strong and stable Brønsted base catalysts. <i>Chemical Communications</i> , 1999, , 593-594.	2.2	103
66	Strategies to improve the epoxidation activity and selectivity of Ti-MCM-41. <i>Chemical Communications</i> , 1998, , 2211-2212.	2.2	197