

T Jean Daou

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123
papers

3,429
citations

24
h-index

55
g-index

131
ext. papers

3,834
ext. citations

4.7
avg, IF

5.19
L-index

#	Paper	IF	Citations
123	Highly Luminescent CuInS ₂ /ZnS Core/Shell Nanocrystals: Cadmium-Free Quantum Dots for In Vivo Imaging. <i>Chemistry of Materials</i> , 2009 , 21, 2422-2429	9.6	589
122	Hydrothermal Synthesis of Monodisperse Magnetite Nanoparticles. <i>Chemistry of Materials</i> , 2006 , 18, 4399-4404	9.6	496
121	Phosphate Adsorption Properties of Magnetite-Based Nanoparticles. <i>Chemistry of Materials</i> , 2007 , 19, 4494-4505	9.6	317
120	Coupling Agent Effect on Magnetic Properties of Functionalized Magnetite-Based Nanoparticles. <i>Chemistry of Materials</i> , 2008 , 20, 5869-5875	9.6	266
119	Effect of poly(ethylene glycol) length on the in vivo behavior of coated quantum dots. <i>Langmuir</i> , 2009 , 25, 3040-4	4	127
118	Porous sorbents for the capture of radioactive iodine compounds: a review.. <i>RSC Advances</i> , 2018 , 8, 29248-29273	4.7	114
117	Water soluble dendronized iron oxide nanoparticles. <i>Dalton Transactions</i> , 2009 , 4442-9	4.3	80
116	Adsorption of volatile organic compounds in pure silica CHA, *BEA, MFI and STT-type zeolites. <i>Microporous and Mesoporous Materials</i> , 2013 , 173, 147-154	5.3	57
115	Particular properties of the coke formed on nano-sponge *BEA zeolite during ethanol-to-hydrocarbons transformation. <i>Journal of Catalysis</i> , 2016 , 336, 1-10	7.3	48
114	Influence of the aqueous medium on the energetic performances of Silicalite-1. <i>Materials Letters</i> , 2014 , 115, 229-232	3.3	39
113	Spin Canting of Maghemite Studied by NMR and In-Field Mössbauer Spectrometry. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 8794-8799	3.8	39
112	High Pressure Intrusion/Extrusion of LiCl Aqueous Solutions in Silicalite-1 Zeolite: Influence on Energetic Performances. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 3935-3941	3.8	33
111	Synthesis of purely silica MFI-type nanosheets for molecular decontamination. <i>RSC Advances</i> , 2014 , 4, 37353	3.7	33
110	One-pot structural conversion of magadiite into MFI zeolite nanosheets using mononitrogen surfactants as structure and shape-directing agents. <i>CrystEngComm</i> , 2013 , 15, 3009	3.3	33
109	Surfactant-modified MFI nanosheets: a high capacity anion-exchanger. <i>Chemical Communications</i> , 2011 , 47, 902-4	5.8	33
108	Key steps influencing the formation of ZSM-5 films on aluminum substrates. <i>Microporous and Mesoporous Materials</i> , 2012 , 152, 1-8	5.3	32
107	Synthesis of FAU and EMT-type zeolites using structure-directing agents specifically designed by molecular modelling. <i>Microporous and Mesoporous Materials</i> , 2013 , 174, 117-125	5.3	31

106	Investigation of the grafting rate of organic molecules on the surface of magnetite nanoparticles as a function of the coupling agent. <i>Sensors and Actuators B: Chemical</i> , 2007 , 126, 159-162	8.5	29
105	Preparation of Single-Crystal House-of-Cards-Like ZSM-5 and Their Performance in Ethanol-to-Hydrocarbon Conversion. <i>Chemistry of Materials</i> , 2019 , 31, 4639-4648	9.6	28
104	New Generation of Zeolite Materials for Environmental Applications.. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 2688-2697	3.8	28
103	Drastic change of the intrusion-extrusion behavior of electrolyte solutions in pure silica *BEA-type zeolite. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 17893-9	3.6	28
102	Thermal, Magnetic, and Luminescent Properties of Dendronized Ferrite Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 12201-12212	3.8	27
101	Performance of surfactant-modified *BEA-type zeolite nanosponges for the removal of nitrate in contaminated water: Effect of the external surface. <i>Journal of Hazardous Materials</i> , 2019 , 364, 206-217	12.8	27
100	Impact of extreme downsizing of *BEA-type zeolite crystals on n-hexadecane hydroisomerization. <i>New Journal of Chemistry</i> , 2016 , 40, 4335-4343	3.6	24
99	Catalytic properties of Ga-containing MFI-type zeolite in cyclohexane dehydrogenation and propane aromatization. <i>Journal of Catalysis</i> , 2018 , 365, 376-390	7.3	24
98	Exploring the impact of zeolite porous voids in liquid phase reactions: The case of glycerol etherification by tert-butyl alcohol. <i>Journal of Catalysis</i> , 2018 , 365, 249-260	7.3	24
97	Energetic behavior of the pure silica ITQ-12 (ITW) zeolite under high pressure water intrusion. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 20320-5	3.6	24
96	The influence of the nature of organosilane surfactants and their concentration on the formation of hierarchical FAU-type zeolite nanosheets. <i>New Journal of Chemistry</i> , 2015 , 39, 2675-2681	3.6	24
95	High-Pressure Intrusion-Extrusion of Water and Electrolyte Solutions in Pure-Silica LTA Zeolite. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 28319-28325	3.8	23
94	SDA-Free Hydrothermal Synthesis of High-Silica Ultra-nanosized Zeolite Y. <i>Crystal Growth and Design</i> , 2017 , 17, 1173-1179	3.5	22
93	Tensile and water barrier properties of cassava starch composite films reinforced by synthetic zeolite and beidellite. <i>Journal of Food Engineering</i> , 2013 , 115, 339-346	6	22
92	Effect of chain length and electrical charge on properties of ammonium-bearing bisphosphonate-coated superparamagnetic iron oxide nanoparticles: formulation and physicochemical studies. <i>Journal of Nanoparticle Research</i> , 2010 , 12, 1239-1248	2.3	22
91	Energetic performances of pure silica STF and MTT-type zeolites under high pressure water intrusion. <i>RSC Advances</i> , 2014 , 4, 37655-37661	3.7	21
90	Zeolite hybrid films for space decontamination. <i>Microporous and Mesoporous Materials</i> , 2013 , 172, 36-43	5.3	21
89	Formation of ferrimagnetic films with functionalized magnetite nanoparticles using the Langmuir-Blodgett technique. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 734-8	3.4	21

88	Eco-compatible zeolite-catalysed continuous halogenation of aromatics. <i>Green Chemistry</i> , 2016 , 18, 4714-4724	21
87	Intrusion-extrusion experiments of MgCl ₂ aqueous solution in pure silica ferrierite: Evidence of the nature of intruded liquid by in situ high pressure synchrotron X-ray powder diffraction. <i>Microporous and Mesoporous Materials</i> , 2016 , 235, 253-260	5.3 20
86	Influence of the Particle Sizes on the Energetic Performances of MFI-Type Zeolites. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 18074-18083	3.8 19
85	Synthesis of MFI/EMT zeolite bi-layer films for molecular decontamination. <i>Chemical Engineering Journal</i> , 2013 , 234, 66-73	14.7 19
84	Influence of the Compensating Cation Nature on the Water Adsorption Properties of Zeolites. <i>Molecules</i> , 2020 , 25,	4.8 18
83	A Comparative Study of Some Properties of Cassava and Tree Cassava Starch Films. <i>Physics Procedia</i> , 2014 , 55, 220-226	18
82	Synthesis of Cs-ABW nanozeolite in organotemplate-free system. <i>Microporous and Mesoporous Materials</i> , 2019 , 277, 78-83	5.3 18
81	Elaboration of FAU-type zeolite beads with good mechanical performances for molecular decontamination. <i>RSC Advances</i> , 2016 , 6, 2470-2478	3.7 17
80	Surfactant-modified MFI-type nanozeolites: Super-adsorbents for nitrate removal from contaminated water. <i>Microporous and Mesoporous Materials</i> , 2019 , 283, 1-13	5.3 16
79	MFI/*BEA hybrid coating on aluminum alloys. <i>Microporous and Mesoporous Materials</i> , 2013 , 166, 79-85	5.3 16
78	A new generation of MFI-type zeolite pellets with very high mechanical performance for space decontamination. <i>Microporous and Mesoporous Materials</i> , 2016 , 221, 167-174	5.3 15
77	Facile and fast determination of Si/Al ratio of zeolites using FTIR spectroscopy technique. <i>Microporous and Mesoporous Materials</i> , 2021 , 311, 110683	5.3 15
76	Study on the catalytic performance of different crystal morphologies of HZSM-5 zeolites for the production of biodiesel: a strategy to increase catalyst effectiveness. <i>Catalysis Science and Technology</i> , 2019 , 9, 5456-5471	5.5 14
75	Reminiscent capillarity in subnanopores. <i>Nature Communications</i> , 2019 , 10, 4642	17.4 13
74	Periodic mesoporous organosilicas as porous matrix for heterogeneous lyophobic systems. <i>Microporous and Mesoporous Materials</i> , 2018 , 260, 166-171	5.3 12
73	High pressure intrusion-extrusion of electrolyte solutions in aluminosilicate FAU and *BEA-type zeolites. <i>Microporous and Mesoporous Materials</i> , 2016 , 221, 1-7	5.3 12
72	MFI-type zeolite nanosheets for gas-phase aromatics chlorination: a strategy to overcome mass transfer limitations. <i>RSC Advances</i> , 2014 , 4, 27242-27249	3.7 12
71	Adsorption of uremic toxins over dealuminated zeolites. <i>Adsorption Science and Technology</i> , 2017 , 35, 3-19	3.6 12

70	Evaluation and Treatment of Carbonyl Compounds and Fine Particles Emitted by Combustion of Biodiesels in a Generator. <i>Energy & Fuels</i> , 2012 , 26, 6160-6167	4.1	11
69	Gas-phase chlorination of aromatics over FAU- and EMT-type zeolites. <i>Catalysis Communications</i> , 2013 , 39, 10-13	3.2	10
68	High pressure intrusion of water and LiCl aqueous solutions in hydrophobic KIT-6 mesoporous silica: Influence of the grafted group nature. <i>Microporous and Mesoporous Materials</i> , 2019 , 280, 248-255	5.3	10
67	Influence of LiCl aqueous solution concentration on the energetic performances of pure silica chabazite. <i>New Journal of Chemistry</i> , 2017 , 41, 2586-2592	3.6	9
66	Adsorption of volatile organic compounds in composite zeolites pellets for space decontamination. <i>Adsorption</i> , 2017 , 23, 395-403	2.6	9
65	Differential penetration of ethanol and water in Si-chabazite: High pressure dehydration of azeotrope solution. <i>Microporous and Mesoporous Materials</i> , 2019 , 284, 161-169	5.3	9
64	Synthesis of mono- and bi-layer MFI zeolite films on macroporous alumina tubular supports: Application to nanofiltration. <i>Journal of Crystal Growth</i> , 2015 , 428, 71-79	1.6	9
63	The influence of L-lysine and PDADMA on the crystal size and porosity of zeolite Y material. <i>Microporous and Mesoporous Materials</i> , 2013 , 170, 346-351	5.3	9
62	Morphological effects on catalytic performance of LTL zeolites in acylation of 2-methylfuran enhanced by non-microwave instant heating. <i>Materials Chemistry and Physics</i> , 2020 , 244, 122688	4.4	9
61	Esterification of linoleic acid using HZSM-5 zeolites with different Si/Al ratios. <i>Microporous and Mesoporous Materials</i> , 2020 , 294, 109855	5.3	9
60	Synthesis of hierarchical ZSM-48 nano-zeolites. <i>New Journal of Chemistry</i> , 2018 , 42, 4457-4464	3.6	8
59	Energetic Performances of Pure-Silica DDR Zeolite by High-Pressure Intrusion-Extrusion of Electrolyte Aqueous Solutions: A Shock-Absorber with Huge Absorbed Energy. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 2726-2733	3.8	8
58	Hierarchical Faujasite-Type Zeolite for Molecular Decontamination. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 9318-9322	1.3	8
57	Intrusion-extrusion spring performance of -COK-14 zeolite enhanced by structural changes. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 18795-801	3.6	8
56	Organic/Inorganic Heterogeneous Silica-Based Photoredox Catalyst for Aza-Henry Reactions. <i>European Journal of Organic Chemistry</i> , 2020 , 2020, 1572-1578	3.2	8
55	Micro- and macroscopic observations of the nucleation process and crystal growth of nanosized Cs-pollucite in an organotemplate-free hydrosol. <i>New Journal of Chemistry</i> , 2019 , 43, 17433-17440	3.6	8
54	Intrusion-Extrusion of Electrolyte Aqueous Solutions in Pure Silica Chabazite by in Situ High Pressure Synchrotron X-ray Powder Diffraction. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 28001-28012	3.8	8
53	Investigation of the energetic performance of pure silica BEC-type zeolite under high pressure water and 20 M LiCl intrusion-extrusion experiments. <i>Microporous and Mesoporous Materials</i> , 2017 , 254, 153-159	5.3	7

52	Adsorption of 1,2-dichlorobenzene and 1,2,4-trichlorobenzene in nano- and microsized crystals of MIL-101(Cr): static and dynamic gravimetric studies. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 26562-26573	5.1	7
51	Hierarchical ZSM-5 beads composed of zeolite nanosheets obtained by pseudomorphic transformation. <i>Microporous and Mesoporous Materials</i> , 2019 , 288, 109565	5.3	7
50	Surface energy modification of a Na-mordenite thin layer treated by an alkaline solution. <i>Materials Express</i> , 2015 , 5, 451-456	1.3	7
49	Extra large pore opening CFI and DON-type zeolites for mechanical energy storage. <i>Microporous and Mesoporous Materials</i> , 2018 , 255, 211-219	5.3	7
48	Deposition of NiO Nanoparticles on Nanosized Zeolite NaY for Production of Biofuel via Hydrogen-Free Deoxygenation. <i>Materials</i> , 2020 , 13,	3.5	7
47	Synthesis of Binderless ZK-4 Zeolite Microspheres at High Temperature. <i>Molecules</i> , 2018 , 23,	4.8	7
46	Dioxin and 1,2-dichlorobenzene adsorption in aluminosilicate zeolite Beta. <i>Adsorption</i> , 2017 , 23, 101-112.	2.6	6
45	A drastic influence of the anion nature and concentration on high pressure intrusion-extrusion of electrolyte solutions in Silicalite-1. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 6462-6468	3.6	6
44	Synthesis of EMT/FAU-type zeolite nanocrystal aggregates in high yield and crystalline form. <i>Comptes Rendus Chimie</i> , 2016 , 19, 475-485	2.7	6
43	Adsorption kinetics and equilibrium of phenol drifts on three zeolites. <i>Open Engineering</i> , 2012 , 2,	1.7	6
42	One shot synthesis of EMT-type zeolite nanocrystals aggregates for potential industrial applications. <i>Microporous and Mesoporous Materials</i> , 2015 , 210, 194-198	5.3	6
41	In vitro and in vivo intracellular delivery of quantum dots by maurocalcine. <i>International Journal of Biomedical Nanoscience and Nanotechnology</i> , 2011 , 2, 12	0.2	6
40	Recyclable synthesis of Cs-ABW zeolite nanocrystals from non-reacted mother liquors with excellent catalytic henry reaction performance. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 103579	6.8	6
39	Effects of the zeolite particle size on the charge separated states. <i>Microporous and Mesoporous Materials</i> , 2017 , 254, 121-127	5.3	5
38	Influence of downsizing of zeolite crystals on the orthorhombic \leftarrow monoclinic phase transition in pure silica MFI-type. <i>Solid State Sciences</i> , 2016 , 58, 111-114	3.4	5
37	Synthesis of FAU-Type Zeolite Membranes with Antimicrobial Activity. <i>Molecules</i> , 2020 , 25,	4.8	5
36	Controlled Crystallization of Hierarchical Monoliths Composed of Nanozeolites. <i>Crystal Growth and Design</i> , 2020 , 20, 5413-5423	3.5	4
35	Crystal growth study of nanosized K-MER zeolite from bamboo leaves ash and its catalytic behaviour in Knoevenagel condensation of benzaldehyde with ethyl cyanoacetate. <i>Materials Chemistry and Physics</i> , 2020 , 251, 123100	4.4	4

34	Structural interpretation of the energetic performances of a pure silica LTA-type zeolite. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 5178-5187	3.6	4
33	Synthesis of mono- and bi-layer zeolite films on alumina substrates. <i>Comptes Rendus Chimie</i> , 2016 , 19, 486-495	2.7	4
32	Hydraulic Performance Modifications of a Zeolite Membrane after an Alkaline Treatment: Contribution of Polar and Apolar Surface Tension Components. <i>Advances in Materials Science and Engineering</i> , 2015 , 2015, 1-7	1.5	4
31	Study of Non-Regulated Exhaust Emissions Using Biodiesels and Impact on a 4 Way Catalyst Efficiency 2011 ,		4
30	Adsorption of Polychlorinated Aromatics in EMT-Type Zeolites: A Combined Experimental-Simulation Approach. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 12731-12741	3.8	4
29	Energetic performances of FER-type zeolite in the presence of electrolyte solutions under high pressure. <i>Energy</i> , 2017 , 130, 29-37	7.9	3
28	Hierarchical CsPollucite Nanozeolite Modified with Novel Organosilane as an Excellent Solid Base Catalyst for ClaisenSchmidt Condensation of Benzaldehyde and Acetophenone. <i>Processes</i> , 2020 , 8, 96	2.9	3
27	Unusual high-pressure intrusion-extrusion behavior of electrolyte solutions in Mu-26, a pure silica zeolite of topology STF. <i>Microporous and Mesoporous Materials</i> , 2020 , 298, 110047	5.3	3
26	Ultrasml Cs-ALMCM-41 basic catalysts: Effects of aluminum addition on their physico-chemical and catalytic properties. <i>Microporous and Mesoporous Materials</i> , 2019 , 288, 109599	5.3	3
25	Formation domain of SDA-free Y faujasite small crystals. <i>New Journal of Chemistry</i> , 2017 , 41, 13260-13267	3.6	3
24	Heterogeneous lyophobic systems based on pure silica ITH-type zeolites: high pressure intrusion of water and electrolyte solutions. <i>New Journal of Chemistry</i> , 2017 , 41, 15087-15093	3.6	3
23	New Approach to the Acidity Characterization of Pristine Zeolite Crystals by Ethylene Using Reversed-Flow Inverse Gas Chromatography (RF-IGC). <i>Journal of Physical Chemistry C</i> , 2017 , 121, 2738-2747	2.8	2
22	Energetic Performance of Pure Silica Zeolites under High-Pressure Intrusion of LiCl Aqueous Solutions: An Overview. <i>Molecules</i> , 2020 , 25,	4.8	2
21	Synthesis of Hierarchical Zeolites with Morphology Control: Plain and Hollow Spherical Beads of Silicalite-1 Nanosheets. <i>Molecules</i> , 2020 , 25,	4.8	2
20	Impact of Crystal Size on the Acidity and the Involved Interactions Studied by Conventional and Innovative Techniques. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 18725-18737	3.8	2
19	All-Silica SSZ-74 Synthesized in Fluoride or Fluoride-Free Media: Investigation on Organic Structure-Directing Agent Locations Inside Pores. <i>Crystal Growth and Design</i> , 2021 , 21, 4013-4022	3.5	2
18	Hierarchical Zeolites as Catalysts for Biodiesel Production from Waste Frying Oils to Overcome Mass Transfer Limitations. <i>Molecules</i> , 2021 , 26,	4.8	2
17	Offretite zeolite templated by amphiphile and its catalytic performance in microwave-assisted Knoevenagel condensation of benzaldehyde and ethyl cyanoacetate. <i>Materials Chemistry and Physics</i> , 2021 , 272, 125001	4.4	2

16	Effect of zeolite morphology on charge separated states: ZSM-5-type nanocrystals, nanosheets and nanosponges. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 12015-12027	3.6	1
15	Highly efficient non-microwave instant heating synthesis of hexyl levulinate fuel additive enhanced by sulfated nanosilica catalyst. <i>Microporous and Mesoporous Materials</i> , 2022 , 331, 111645	5.3	1
14	The effect of nanostructures on high pressure intrusion-extrusion of water and electrolyte solutions in hierarchical nanoboxes of silicalite-1. <i>New Journal of Chemistry</i> , 2020 , 44, 273-281	3.6	1
13	Prediction of the mechanical properties of zeolite pellets for aerospace molecular decontamination applications. <i>Beilstein Journal of Nanotechnology</i> , 2016 , 7, 1761-1771	3	1
12	Synthesis of BEC-type germanosilicates with asymmetric diquaternary ammonium salts. <i>Microporous and Mesoporous Materials</i> , 2021 , 312, 110804	5.3	1
11	High Quality Bio-Oil Obtained from Catalyzed Pyrolysis of Olive Mill Solid Wastes in a Bi-Functional Reactor. <i>Materials Sciences and Applications</i> , 2021 , 12, 52-77	0.3	1
10	Synthesis of Hierarchical MOR-Type Zeolites with Improved Catalytic Properties. <i>Molecules</i> , 2021 , 26,	4.8	1
9	A Novel Numerical Procedure to Estimate the Electric Charge in the Pore from Filtration of Single-Salt Solutions. <i>Membranes</i> , 2021 , 11,	3.8	1
8	SAPO-34 crystallized using novel pyridinium template as highly active catalyst for synthesis of ethyl levulinate biofuel. <i>Microporous and Mesoporous Materials</i> , 2022 , 333, 111754	5.3	1
7	SAPO-35 zeolite crystallized using novel structure-directing agent for catalytic conversion of levulinic acid into ethyl levulinate under non-microwave instant heating. <i>Materials Chemistry and Physics</i> , 2022 , 126240	4.4	1
6	Green hybrid zeolite coatings for on-orbit molecular decontamination. <i>Microporous and Mesoporous Materials</i> , 2020 , 307, 110478	5.3	0
5	Rational Design and Characterisation of Novel Mono- and Bimetallic Antibacterial Linde Type A Zeolite Materials. <i>Journal of Functional Biomaterials</i> , 2022 , 13, 73	4.8	0
4	Synthesis of a New Diazacrown Ether Compound Interconnected with an Azacrown Ether and Decorated with a Long Lipophilic Chain. <i>Synthetic Communications</i> , 2014 , 44, 1888-1892	1.7	
3	Design of Functionalized Fe ₃ O ₄ Nanoparticles for Elaboration of Nanostructured Films with Magnetic Properties. <i>Materials Research Society Symposia Proceedings</i> , 2007 , 1007, 1		
2	Guided Crystallization of Zeolite Beads Composed of ZSM-12 Nanosponges. <i>Crystals</i> , 2020 , 10, 828	2.3	
1	Experimental and numerical investigation of specific behaviour of fluoride ions during filtration of pure salt water solutions with titania membrane. <i>Desalination</i> , 2022 , 537, 115870	10.3	