Jean-Luc Blin

List of Publications by Year
in descending order

123	2,884	196777 29	232693 48
papers	citations	h-index	g-index

123	123	123	3255
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reaction Kinetics and Mechanism of VOCs Combustion on Mn-Ce-SBA-15. Catalysts, 2022, 12, 583.	1.6	3
2	Deep hydrodesulfurization of 4,6-dimethydibenzothiophene over CoMoS/TiO2 catalysts: Impact of the TiO2 treatment. Catalysis Today, 2021, 377, 17-25.	2.2	11
3	Co-Mn oxides supported on hierarchical macro-mesoporous silica for CO and VOCs oxidation. Catalysis Today, 2021, 361, 94-101.	2.2	12
4	Thermal stability and phase transformation of semi-crystalline mesostructured TiO2 in the presence of heteroelements. Microporous and Mesoporous Materials, 2021, 315, 110896.	2.2	8
5	Nanoporous CeO₂â€“ZrO₂ Oxides for Oxidation of Volatile Organic Compounds. ACS Applied Nano Materials, 2021, 4, 1786-1797.	2.4	13
6	Coâ€“Ce Oxides Supported on SBA-15 for VOCs Oxidation. Catalysts, 2021, 11, 366.	1.6	5
7	APTES modified SBA15 and meso-macro silica materials for the immobilization of aminoacylases from Streptomyces ambofaciens. Microporous and Mesoporous Materials, 2021, 323, 111226.	2.2	15
8	Site directed confinement of laccases in a porous scaffold towards robustness and selectivity. Biotechnology Reports (Amsterdam, Netherlands), 2021, 31, e00645.	2.1	4
9	HDS of 4,6-dimethyldibenzothiophene over CoMoS supported mesoporous SiO2-TiO2 materials. Catalysis Today, 2020, 357, 675-683.	2.2	14
10	Co3O4-MnOx oxides supported on SBA-15 for CO and VOCs oxidation. Catalysis Today, 2020, 357, 602-612.	2.2	49
11	Tiâ€“Ni and Tiâ€“Co Mixed Oxides Supported on Y Zeolite with Different Porosity as Photocatalysts in Degradation of Amoxicillin. Proceedings (mdpi), 2020, 57, .	0.2	0
12	Amorphous mesostructured zirconia with high (hydro)thermal stability. RSC Advances, 2020, 10, 26165-26176.	1.7	10
13	Effect of Mesostructured Zirconia Support on the Activity and Selectivity of 4,6-Dimethydibenzothiophene Hydrodesulfurization. Catalysts, 2020, 10, 1162.	1.6	4
14	Hierarchical mesoporous silica templated by the combination of fine emulsion and micelles. Microporous and Mesoporous Materials, 2020, 305, 110376.	2.2	5
15	Dyes Depollution of Water Using Porous TiO2-Based Photocatalysts. Environmental Chemistry for A Sustainable World, 2020, , 35-92.	0.3	2
16	Investigation of mixed ionic/nonionic building blocks for the dual templating of macro-mesoporous silica. Journal of Colloid and Interface Science, 2019, 533, 385-400.	5.0	11
17	Morphosynthesis of porous silica from biocompatible templates. Chemical Engineering Research and Design, 2019, 151, 179-189.	2.7	5
18	Insights of the kolliphor/water system for the design of mesostructured silica materials. Microporous and Mesoporous Materials, 2019, 285, 231-240.	2.2	2

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19	Thermal and Hydrothermal Stability of Hierarchical Porous Silica Materials. European Journal of Inorganic Chemistry, 2019, 2019, 3194-3202.	1.0	7
20	Solâ€“gel process and complex fluids: sculpting porous matter at various lengths scales towards the Si(HIPE), Si(PHIPE), and SBA-15-Si(HIPE) series. Journal of Sol-Gel Science and Technology, 2019, 90, 95-104.	1.1	5
21	Using factorial experimental design to optimize biocatalytic biodiesel production from Mucor Miehei Lipase immobilized onto ordered mesoporous materials. Microporous and Mesoporous Materials, 2018, 268, 39-45.	2.2	19
22	From Compartmentalization of Bacteria within Inorganic Macrocellular Beads to the Assembly of Microbial Consortia. Advanced Biology, 2018, 2, 1700233.	3.0	9
23	First Macro-Mesocellular Silica SBA-15-Si(HIPE) Monoliths: Conditions for Obtaining Self-Standing Materials. Chemistry of Materials, 2018, 30, 864-873.	3.2	21
24	N-Î±-acylation of lysine catalyzed by immobilized aminoacylases from Streptomyces ambofaciens in aqueous medium. Microporous and Mesoporous Materials, 2018, 267, 24-34.	2.2	9
25	Mesoporous silica materials from diluted and concentrated solutions of nonionic fluorinated and ionic hydrogenated surfactants mixtures. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 536, 242-250.	2.3	6
26	Influence of crystallization conditions and of gaseous ammonia treatment on mesoporous TiO2 properties. Microporous and Mesoporous Materials, 2018, 262, 1-12.	2.2	5
27	Selective direct desulfurization way (DDS) with CoMoS supported over mesostructured titania for the deep hydrodesulfurization of 4,6-dimethydibenzothiophene. Applied Catalysis A: General, 2018, 563, 91-97.	2.2	20
28	An unexpected pathway for hydrodesulfurization of gazole over a CoMoS active phase supported on a mesoporous TiO₂ catalyst. Chemical Communications, 2017, 53, 2717-2720.	2.2	13
29	Insights into the Formation and Properties of Templated Dual Mesoporous Titania with Enhanced Photocatalytic Activity. ACS Applied Materials & Interfaces, 2017, 9, 3113-3122.	4.0	17
30	Nonionic Fluorinated Surfactant Removal from Mesoporous Film Using sc-CO₂. ACS Applied Materials & Interfaces, 2017, 9, 3093-3101.	4.0	6
31	Investigation of a novel fluorinated surfactant-based system for the design of spherical wormhole-like mesoporous silica. Journal of Colloid and Interface Science, 2017, 487, 310-319.	5.0	13
32	Hybrid Hierarchical Porous Silica Templated in Nanoemulsions for Drug Release. European Journal of Inorganic Chemistry, 2016, 2016, 1989-1997.	1.0	7
33	Hierarchical Mesoâ€Mesoporous and Macroâ€Mesoporous Silica Templated by Mixtures of Polyoxyethylene ÂFluoroalkyl Ether and Triblock Copolymer. European Journal of Inorganic Chemistry, 2016, 2016, 1998-2005.	1.0	5
34	Hybrid/porous materials obtained from nano-emulsions. Current Opinion in Colloid and Interface Science, 2016, 25, 75-82.	3.4	13
35	Nanostuctured mesoporous materials from different silica sources using fluorinated surfactants as templates. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 510, 104-112.	2.3	5
36	Nano-emulsions as imprints for the design of hierarchical porous silica through a dual templating mechanism. Microporous and Mesoporous Materials, 2016, 221, 228-237.	2.2	11

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37	Influence of the porous texture of SBA-15 mesoporous silica on the anatase formation in TiO₂â€“SiO₂ nanocomposites. New Journal of Chemistry, 2016, 40, 4386-4397.	1.4	36
38	Influence of porosity and surface modification on the adsorption of both cationic and anionic dyes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 490, 30-40.	2.3	22
39	In Situ Smallâ€Angle Xâ€ray Scattering Investigation of the Formation of Dualâ€Mesoporous Materials. ChemPhysChem, 2015, 16, 3637-3641.	1.0	1
40	Investigation of mixed fluorinated and triblock copolymer liquid crystals: Imprint for mesostructured bimodal silica. Journal of Colloid and Interface Science, 2015, 446, 170-176.	5.0	5
41	Detailed investigation of nano-emulsions obtained from the Remcopal 4/decane/water system. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 481, 207-214.	2.3	2
42	Znâ€“TiO2 mesoporous oxides prepared by mechanical milling. Journal of Alloys and Compounds, 2015, 649, 1-10.	2.8	11
43	Mesoporous titania with anatase walls by flash induction calcination. Microporous and Mesoporous Materials, 2015, 201, 43-49.	2.2	5
44	A meso-macro compartmentalized bioreactor obtained through silicalization of â€œgreenâ€•double emulsions: W/O/W and W/SLNs/W. Chemical Communications, 2014, 50, 11871-11874.	2.2	16
45	pH-controlled delivery of curcumin from a compartmentalized solid lipid nanoparticle@mesostructured silica matrix. Journal of Materials Chemistry B, 2014, 2, 7910-7917.	2.9	56
46	Water-Catalyzed Low-Temperature Transformation from Amorphous to Semi-Crystalline Phase of Ordered Mesoporous Titania Framework. ACS Sustainable Chemistry and Engineering, 2014, 2, 120-125.	3.2	14
47	Influence of Zn ion addition on the properties of ordered mesoporous TiO2. New Journal of Chemistry, 2014, 38, 2081.	1.4	12
48	Multi-techniques investigation of mesoporous zinc and tungsten titanates materials. Microporous and Mesoporous Materials, 2014, 194, 208-218.	2.2	2
49	Solubilization of decane into gemini surfactant with a modified Jeffamine backbone: Design of hierarchical porous silica. Microporous and Mesoporous Materials, 2013, 169, 235-241.	2.2	10
50	Facile and green release of template from mesostructured titania. RSC Advances, 2013, 3, 14970.	1.7	4
51	Ordered mesoporous materials containing Mucor Miehei Lipase as biocatalyst for transesterification reaction. Process Biochemistry, 2013, 48, 831-837.	1.8	21
52	Investigation of properties of mesoporous silica materials based on nonionic fluorinated surfactant using Boxâ€“Behnken experimental designs. Microporous and Mesoporous Materials, 2013, 174, 135-143.	2.2	11
53	Hydrothermal Stability of Ordered Surfactant-Templated Titania. Journal of Physical Chemistry C, 2013, 117, 16500-16508.	1.5	14
54	Electrostatic vs. covalent bond in modified Jeffamine: effect on the phase behaviour and on the templating of mesoporous silica. Soft Matter, 2013, 9, 10832.	1.2	9

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55	Metastable micelles and true liquid crystal behaviour of newly designed â€œcataniomericâ€•surfactants. Soft Matter, 2013, 9, 2760.	1.2	16
56	Isocyanate-mediated covalent immobilization of Mucor miehei lipase onto SBA-15 for transesterification reaction. Colloids and Surfaces B: Biointerfaces, 2013, 112, 139-145.	2.5	28
57	Mechanism of self-assembly in the synthesis of silica mesoporous materials: in situ studies by X-ray and neutron scattering. Chemical Society Reviews, 2013, 42, 4071-4082.	18.7	83
58	Triblock Siloxane Copolymer Surfactant: Template for Spherical Mesoporous Silica with a Hexagonal Pore Ordering. Langmuir, 2013, 29, 1618-1626.	1.6	17
59	Nanoparticle-free magnetic mesoporous silica with magneto-responsive surfactants. Journal of Materials Chemistry C, 2013, 1, 6930.	2.7	24
60	Formation of Nanostructured Silica Materials Templated with Nonionic Fluorinated Surfactant Followed by in Situ SAXS. Langmuir, 2013, 29, 2007-2023.	1.6	11
61	Synthesis and Photoactivity of Ordered Mesoporous Titania with a Semicrystalline Framework. Journal of Physical Chemistry C, 2012, 116, 6585-6594.	1.5	69
62	Structural Investigation of Nonionic Fluorinated Micelles by SANS in Relation to Mesoporous Silica Materials. Journal of Physical Chemistry B, 2012, 116, 261-268.	1.2	7
63	Tailored Jeffamine Molecular Tools for Ordering Mesoporous Silica. Langmuir, 2012, 28, 9816-9824.	1.6	15
64	Rheophysical Properties of Fluorinated Nonionic Micellar Phases. Journal of Physical Chemistry B, 2012, 116, 1544-1550.	1.2	2
65	Use of ordered mesoporous titania with semi-crystalline framework as photocatalyst. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 407, 177-185.	2.3	33
66	Tuning the morphology and the structure of hierarchical mesoâ€“macroporous silica by dual templating with micelles and solid lipid nanoparticles (SLN). Journal of Materials Chemistry, 2012, 22, 21540.	6.7	30
67	Alcohols solubilization in a nonionic fluorinated surfactant based system: Effect on the mesoporous silica characteristics. Journal of Colloid and Interface Science, 2012, 373, 34-45.	5.0	4
68	Systematic investigation of the synthesis parameters driving the preparation of mesoporous materials using a nonionic fluorinated surfactant. Microporous and Mesoporous Materials, 2012, 151, 201-210.	2.2	16
69	Solid lipid nanoparticles (SLN) templating of macroporous silica beads. RSC Advances, 2011, 1, 1204.	1.7	11
70	Multitechnique Investigation of Mesoporous Titanosilicate Materials Prepared from Both the Self-Assembly and the Liquid Crystal Mechanisms. Journal of Physical Chemistry C, 2011, 115, 8684-8692.	1.5	13
71	Water Behavior in Mesoporous Materials As Studied by NMR Relaxometry. Journal of Physical Chemistry A, 2011, 115, 9941-9946.	1.1	17
72	Coexistence of Two Kinds of Fluorinated Hydrogenated Micelles as Building Blocks for the Design of Bimodal Mesoporous Silica with Two Ordered Mesopore Networks. Langmuir, 2011, 27, 14000-14004.	1.6	18

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73	Confined Growth of Spin Crossover Nanoparticles in Surfactant-Based Matrices: Enhancing Shape Anisotropy. Journal of Dispersion Science and Technology, 2011, 32, 1771-1779.	1.3	19
74	Immobilization and activity of Rhizomucor miehei lipase. Effect of the matrix properties prepared from nonionic fluorinated surfactants. Process Biochemistry, 2010, 45, 39-46.	1.8	7
75	Effect of hydrocarbon incorporation in the RH12A(EO)9 system: Preparation of porous materials. Microporous and Mesoporous Materials, 2010, 135, 149-160.	2.2	1
76	Preparation and characterization of mesoporous materials from a nonionic fluorinated surfactant: Adsorption of glucose oxidase. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 357, 128-135.	2.3	18
77	Preparation and characterization of porous silica templated by a nonionic fluorinated systems. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 357, 116-127.	2.3	8
78	Highly ordered mesoporous titania with semi crystalline framework templated by large or small nonionic surfactants. New Journal of Chemistry, 2010, 34, 2113.	1.4	32
79	TiO₂ Thin Films Self-Assembled with a Partly Fluorinated Surfactant Template. Langmuir, 2010, 26, 1124-1129.	1.6	7
80	Influence of methanol on the phase behavior of nonionic fluorinated surfactant: Relation to the structure of mesoporous silica materials. Journal of Colloid and Interface Science, 2009, 330, 456-462.	5.0	8
81	Ordered Mesoporous Silica Templated by Nonionic Fluorinated Liquid Crystals. Journal of Physical Chemistry C, 2009, 113, 11285-11293.	1.5	27
82	Hydrothermal stability of mesostructured silica prepared using a nonionic fluorinated surfactant. Microporous and Mesoporous Materials, 2008, 116, 308-317.	2.2	25
83	Nonionic Fluorinatedâ^'Hydrogenated Surfactants for the Design of Mesoporous Silica Materials. Journal of Physical Chemistry B, 2008, 112, 11950-11959.	1.2	12
84	Relation between the Lower Consolute Boundary and the Structure of Mesoporous Silica Materials. Langmuir, 2008, 24, 1044-1052.	1.6	13
85	Design of Ordered Bimodal Mesoporous Silica Materials by Using a Mixed Fluorinatedâ^'Hydrogenated Surfactant-Based System. Langmuir, 2007, 23, 2138-2144.	1.6	24
86	Investigation of the Silanols Groups of Mesostructured Silica Prepared Using a Fluorinated Surfactant:â€‰ Influence of the Hydrothermal Temperature. Journal of Physical Chemistry C, 2007, 111, 14380-14388.	1.5	42
87	Investigation of the C16(EO)10/decane/water system for the design of porous silica materials. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 308, 71-78.	2.3	10
88	Solubilization of Various Fluorocarbons in a Fluorinated Surfactant/Water System: Relation with the Design of Porous Materials. Journal of Physical Chemistry B, 2006, 110, 23547-23556.	1.2	27
89	Cloud point curve of nonionic surfactant related to the structures of mesoporous materials. Journal of Colloid and Interface Science, 2006, 300, 765-773.	5.0	16
90	Mixed fluorinatedâ€“hydrogenated surfactant-based system: Preparation of ordered mesoporous materials. Journal of Colloid and Interface Science, 2006, 302, 643-650.	5.0	27

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91	Fluorinated emulsions: Templates for the direct preparation of macroporousâ€“mesoporous silica with a highly ordered array of large mesopores. Microporous and Mesoporous Materials, 2006, 94, 74-80.	2.2	33
92	Functionalization of mesoporous silica by condensation of tetramethoxysilane and alkyl peptidoamine monomers in the presence of a non-ionic fluorinated surfactant. Studies in Surface Science and Catalysis, 2005, 156, 221-228.	1.5	1
93	Effect of fluorocarbon addition on the structure and pore diameter of mesoporous materials prepared with a fluorinated surfactant. Microporous and Mesoporous Materials, 2005, 87, 67-76.	2.2	31
94	Preparation of mesostructured silica using a nonionic fluorinated surfactant: Relation between mesoporous characteristics and surfactant phase behavior. Studies in Surface Science and Catalysis, 2005, 156, 97-104.	1.5	1
95	Direct One-Step Immobilization of Glucose Oxidase in Well-Ordered Mesostructured Silica Using a Nonionic Fluorinated Surfactant. Chemistry of Materials, 2005, 17, 1479-1486.	3.2	80
96	Double interactions between ammonia and a series of alkali-exchanged faujasite zeolites evidenced by FT-IR and TPD-MS techniques. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 241, 245-252.	2.3	16
97	Transport properties of ammonia in a series of Na+-faujasite zeolites as studied by 2H NMR technique. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 241, 253-256.	2.3	5
98	Pore structure evolution of highly ordered mesoporous silica CMI-1 during boiling water treatment: a multi-technique investigation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 241, 87-93.	2.3	13
99	Neutron diffraction evidence of double interaction between NaY zeolite and ammonia and migration of Na+ ions upon ND3 adsorption. Chemical Physics Letters, 2004, 390, 236-239.	1.2	32
100	Nonionic Fluorinated Surfactant: Investigation of Phase Diagram and Preparation of Ordered Mesoporous Materials. Langmuir, 2004, 20, 491-498.	1.6	77
101	Perfluorodecalin Incorporation in Fluorinated Surfactantâ^'Water System: Tailoring of Mesoporous Materials Pore Size. Journal of Physical Chemistry B, 2004, 108, 11399-11405.	1.2	37
102	Influence of Alkyl Peptidoamines on the Structure of Functionalized Mesoporous Silica. Chemistry of Materials, 2004, 16, 5071-5080.	3.2	27
103	Double interaction between ammonia and NaY zeolite and migration of Na+ upon adsorption of ammonia evidenced by neutron diffraction. Studies in Surface Science and Catalysis, 2004, , 1757-1762.	1.5	1
104	Title is missing!. Angewandte Chemie, 2003, 115, 2978-2981.	1.6	41
105	Hierarchically Mesoporous/Macroporous Metal Oxides Templated from Polyethylene Oxide Surfactant Assemblies. Angewandte Chemie - International Edition, 2003, 42, 2872-2875.	7.2	215
106	Chemistry of silica at different concentrations of non-ionic surfactant solutions: effect of pH of the synthesis gel on the preparation of mesoporous silicas. Microporous and Mesoporous Materials, 2003, 63, 59-73.	2.2	37
107	Complete benzene oxidation over gold-vanadia catalysts supported on nanostructured mesoporous titania and zirconia. Applied Catalysis A: General, 2003, 243, 25-39.	2.2	92
108	Toward a Better Control of Internal Structure and External Morphology of Mesoporous Silicas Synthesized Using a Nonionic Surfactant. Langmuir, 2003, 19, 5484-5490.	1.6	39

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109	One-pot surfactant assisted synthesis of aluminosilicate macrochannels with tunable micro- or mesoporous wall structure. Chemical Communications, 2003, , 2568-2569.	2.2	47
110	Nanostructured mesoporous TiO2, ZrO2 and SiO2 synthesis by using the non-ionic Cm(EO)n - inorganic alkoxyde system : toward a better understanding on the formation mechanism. Studies in Surface Science and Catalysis, 2003, , 443-446.	1.5	2
111	Control of ordered mesoporous molecular sieves synthesis using non-ionic surfactants by incorporation of transition metal ions in the micellar solution. Studies in Surface Science and Catalysis, 2003, 146, 243-246.	1.5	4
112	Location and transport properties of ammonia molecules in a series of faujasite zeolite structures as studied by FT-IR and 2H-NMR spectroscopies. Studies in Surface Science and Catalysis, 2002, 142, 1687-1694.	1.5	9
113	Design of bimodal mesoporous silicas with interconnected pore systems by ammonia post-hydrothermal treatment in the mild-temperature range. Chemical Communications, 2002, , 504-505.	2.2	67
114	Tailoring Pore Size of Ordered Mesoporous Silicas Using One or Two Organic Auxiliaries as Expanders. Langmuir, 2002, 18, 5303-5308.	1.6	104
115	Effects of templates on the structure, stability and photocatalytic activity of mesostructured TiO2. Journal of Photochemistry and Photobiology A: Chemistry, 2002, 148, 295-301.	2.0	56
116	Synthesis of nanostructured mesoporous zirconia using CTMABrâ€“ZrOCl2Â·8H2O systems: a kinetic study of synthesis mechanism. Solid State Sciences, 2001, 3, 959-972.	0.8	74
117	Synthesis of Large Pore Disordered MSU-Type Mesoporous Silicas through the Assembly of C16(EO)10 Surfactant and TMOS Silica Source: Effect of the Hydrothermal Treatment and Thermal Stability of Materials. Journal of Physical Chemistry B, 2001, 105, 6070-6079.	1.2	68
118	Kinetic study of MCM-41 synthesis. Solid State Sciences, 2001, 3, 75-86.	0.8	37
119	MSU-Type Mesoporous Silicas with Well-Tailored Pore Sizes Synthesized via an Assembly of Deca(ethylene oxide) Oleyl Ether Surfactant and Tetramethoxysilane Silica Precursor. Langmuir, 2001, 17, 4422-4430.	1.6	29
120	Well-Ordered Spherical Mesoporous Materials CMI-1 Synthesized via an Assembly of Decaoxyethylene Cetyl Ether and TMOS. Chemistry of Materials, 2001, 13, 3542-3553.	3.2	125
121	Non-ionic surfactant (C13EO , m=6, 12 and 18) for large pore mesoporous molecular sieves preparation. Microporous and Mesoporous Materials, 2001, 44-45, 41-51.	2.2	28
122	Preparation of highly ordered CMI-1 and wormhole-like DWM mesoporous silica catalyst supports using C16(EO)10 as surfactant. Studies in Surface Science and Catalysis, 2000, 143, 1027-1034.	1.5	2
123	Pore Size Engineering of Mesoporous Silicas Using Decane as Expander. Langmuir, 2000, 16, 4229-4236.	1.6	102