

Jocelyne BrendlÃ©

List of Publications by Year in descending order

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69
papers

1,716
citations

331670

21
h-index

302126

39
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70
all docs

70
docs citations

70
times ranked

2264
citing authors

#	ARTICLE	IF	CITATIONS
1	Electron transfer at the mineral/water interface: Selenium reduction by ferrous iron sorbed on clay. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 5731-5749.	3.9	181
2	U(VI) Sorption and Reduction by Fe(II) Sorbed on Montmorillonite. <i>Environmental Science & Technology</i> , 2010, 44, 3779-3785.	10.0	125
3	Study of individual Na-montmorillonite particles size, morphology, and apparent charge. <i>Journal of Colloid and Interface Science</i> , 2005, 285, 719-730.	9.4	124
4	Elaboration and characterisation of new mesoporous materials from diatomite and charcoal. <i>Microporous and Mesoporous Materials</i> , 2008, 107, 219-226.	4.4	102
5	Systems for stimuli-controlled release: Materials and applications. <i>Journal of Controlled Release</i> , 2019, 294, 355-371.	9.9	86
6	Layered double hydroxides and LDH-derived materials in chosen environmental applications: a review. <i>Environmental Science and Pollution Research</i> , 2021, 28, 24375-24405.	5.3	73
7	Reversible surface-sorption-induced electron-transfer oxidation of Fe(II) at reactive sites on a synthetic clay mineral. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 863-876.	3.9	71
8	Phyllosilicates synthesis: a way of accessing edges contributions in NMR and FTIR spectroscopies. Example of synthetic talc. <i>Physics and Chemistry of Minerals</i> , 2013, 40, 361-373.	0.8	63
9	Functionalization of synthetic talc-like phyllosilicates by alkoxyorganosilane grafting. <i>Journal of Materials Chemistry</i> , 2010, 20, 9695.	6.7	59
10	Dissolution kinetics of synthetic Na-smectite. An integrated experimental approach. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 5849-5864.	3.9	44
11	Electrospinning composite nanofibers of polyacrylonitrile/synthetic Na-montmorillonite. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 35, 146-152.	5.8	44
12	Reinforcement of recycled PP polymers by nanoparticles incorporation. <i>Green Chemistry Letters and Reviews</i> , 2018, 11, 296-311.	4.7	42
13	Cation exchanged Fe(II) and Sr compared to other divalent cations (Ca,Mg) in the bure Callovianâ€“Oxfordian formation: Implications for porewater composition modelling. <i>Applied Geochemistry</i> , 2008, 23, 641-654.	3.0	39
14	Hydrogen adsorption and diffusion in synthetic Na-montmorillonites at high pressures and temperature. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 2698-2709.	7.1	38
15	Inorganic and Hybrid (Organicâ€“Inorganic) Lamellar Materials for Heavy metals and Radionuclides Capture in Energy Wastes Managementâ€“A Review. <i>Materials</i> , 2019, 12, 1399.	2.9	37
16	Preparation of ferric oxide modified diatomite and its application in the remediation of As(III) species from solution. <i>Microporous and Mesoporous Materials</i> , 2013, 169, 185-191.	4.4	30
17	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.	5.2	28
18	Functionalized clay heterostructures for reducing cadmium and lead uptake by plants in contaminated soils. <i>Applied Clay Science</i> , 2007, 37, 12-22.	5.2	26

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19	Bridged polysilsesquioxane films via photoinduced sol-gel chemistry. <i>New Journal of Chemistry</i> , 2010, 34, 1068.	2.8	24
20	Rapid synthesis of aluminium polycations by microwave assisted hydrolysis of aluminium via decomposition of urea and preparation of Al-pillared montmorillonite. <i>Applied Clay Science</i> , 2010, 48, 138-145.	5.2	23
21	Design of 3D multi-layered electrospun membranes embedding iron-based layered double hydroxide for drug storage and control of sustained release. <i>European Polymer Journal</i> , 2020, 131, 109675.	5.4	23
22	One-Step Synthesis and Solvent-Induced Exfoliation of Hybrid Organic-Inorganic Phyllosilicate-Like Materials. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 352-359.	0.9	21
23	Self-Organized Poly(<i>n</i> -octadecylsilsesquioxane) Films via Sol-Gel Photopolymerization. <i>Langmuir</i> , 2011, 27, 12621-12629.	3.5	17
24	Catalytic performances of pillared beidellites compared to ultrastable Y zeolites in hydrocracking and hydroisomerisation reactions. <i>Studies in Surface Science and Catalysis</i> , 2000, 130, 293-298.	1.5	16
25	Photoinduced synthesis and ordering of lamellar <i>n</i> -alkylsiloxane films. <i>Journal of Materials Chemistry</i> , 2012, 22, 643-652.	6.7	16
26	Electrospinning of PAN nanofibers incorporating SBA-15-type ordered mesoporous silica particles. <i>European Polymer Journal</i> , 2014, 54, 71-78.	5.4	15
27	Zwitterionic-surfactant modified LAPONITE®s for removal of ions (Cs ⁺ , Sr ²⁺) from aqueous wastes. <i>Green Chemistry</i> , 2019, 21, 5118-5127.	9.0	15
28	Dynamic sorption of ionizable organic compounds (IOCs) and xylene from water using geomaterial-modified montmorillonite. <i>Journal of Hazardous Materials</i> , 2007, 147, 738-745.	12.4	14
29	Radionuclide desorption kinetics on synthetic Zn/Ni-labeled montmorillonite nanoparticles. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 148, 426-441.	3.9	14
30	Kinetics, Thermodynamics, and Dynamics in Organosilane Self-Assembly. <i>Journal of Physical Chemistry C</i> , 2012, 116, 24320-24330.	3.1	13
31	On the interaction of triarylmethane dye crystal violet with LAPONITE® clay: using mineral nanoparticles to control the dye photophysics. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 16677-16681.	2.8	13
32	Impact of Tunisian clay nanofillers on structure and properties of post-consumer polypropylene-based nanocomposites. <i>Journal of Thermoplastic Composite Materials</i> , 2019, 32, 1159-1175.	4.2	13
33	Hydrothermal Synthesis and Characterization of Ni-Al Montmorillonite-Like Phyllosilicates. <i>Nanomaterials</i> , 2013, 3, 48-69.	4.1	12
34	Rheological and thermal behavior of Tunisian clay reinforced recycled polypropylene composites. <i>Advances in Polymer Technology</i> , 2018, 37, 3759-3768.	1.7	12
35	Synthesis of iron-rich tri-octahedral clay minerals: A review. <i>Applied Clay Science</i> , 2018, 166, 276-287.	5.2	12
36	Valorization of Post-consumer PP by (Un)modified Tunisian Clay Nanoparticles Incorporation. <i>Waste and Biomass Valorization</i> , 2020, 11, 2285-2296.	3.4	12

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37	Elaboration of copper hydroxide phase modified diatomite and their application in lead ions immobilization. <i>New Journal of Chemistry</i> , 2011, 35, 461-468.	2.8	11
38	Adsorption of Lead by Geomaterial Matrix: Adsorption Equilibrium and Kinetics. <i>Separation Science and Technology</i> , 2014, 49, 1416-1426.	2.5	11
39	Organic-inorganic hybrids having a talc-like structure as suitable hosts to guest a wide range of species. <i>Dalton Transactions</i> , 2018, 47, 2925-2932.	3.3	11
40	Hydrophilic/Hydrophobic Film Patterning by Photodegradation of Self-Assembled Alkylsilane Multilayers and Its Applications. <i>Langmuir</i> , 2014, 30, 10118-10126.	3.5	10
41	Spectroscopic Studies of the Interactions between a Cationic Cyanine Dye and a Synthetic Phyllosilicate: From Photophysics to Hybrid Materials. <i>Langmuir</i> , 2017, 33, 6812-6818.	3.5	10
42	Mass transfer modelling in clay-based material: Estimation of apparent diffusivity of a molecule of interest. <i>Comptes Rendus Chimie</i> , 2019, 22, 250-257.	0.5	10
43	Development of a new cathode for the electro-Fenton process combining carbon felt and iron-containing organic-inorganic hybrids. <i>Comptes Rendus Chimie</i> , 2019, 22, 238-249.	0.5	10
44	Cleaner Synthesis of Silylated Clay Minerals for the Durable Recovery of Ions (Co^{2+} and $\text{Tj ETQq0 0 0 rgBT /Overlock 10 TF}$) 2104-2112.	3.7	10
45	Tandem cationic and sol-gel photopolymerizations of a vinyl ether alkoxysilane. <i>Polymer Engineering and Science</i> , 2011, 51, 1466-1475.	3.1	9
46	Photopatterning of Multilayer Alkylsilane Films. <i>Langmuir</i> , 2012, 28, 7129-7133.	3.5	9
47	^7Li { ^{19}F } TEDOR NMR to observe the lithium migration in heated montmorillonite. <i>Applied Clay Science</i> , 2018, 157, 204-211.	5.2	9
48	Maghemite Intercalated Montmorillonite as New Nanofillers for Photopolymers. <i>Nanomaterials</i> , 2012, 2, 413-427.	4.1	8
49	UV powder coatings containing synthetic Ag-beidellite for antibacterial properties. <i>Applied Clay Science</i> , 2014, 96, 73-80.	5.2	8
50	Tetracycline Removal from Water by Adsorption on Geomaterial, Activated Carbon and Clay Adsorbents. <i>Ecological Chemistry and Engineering S</i> , 2021, 28, 303-328.	1.5	8
51	A Novel Fluoride Route for the Synthesis of Aluminosilicate Nanotubes. <i>Nanomaterials</i> , 2013, 3, 117-125.	4.1	7
52	Key Steps Influencing the Formation of Aluminosilicate Nanotubes by the Fluoride Route. <i>Clays and Clay Minerals</i> , 2015, 63, 132-143.	1.3	7
53	Hydrolysis-condensation reactions of diethylphosphato-ethyltriethoxysilane involved in organic-inorganic talc-like hybrid synthesis: liquid and solid-state NMR investigations. <i>RSC Advances</i> , 2016, 6, 75715-75723.	3.6	7
54	Microelectrophoresis and inverse gas chromatography as tools to study the surface interactions between a fluorinated fungicide and raw or organically modified Patagonian montmorillonite. <i>Applied Clay Science</i> , 2016, 134, 83-88.	5.2	7

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55	Hydration and hydrolysis of samarium (III) in montmorillonite clay: a neutron diffraction study. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 104207.	1.8	6
56	Hydration and hydrolysis of Sm ³⁺ and Eu ³⁺ in a clay interlayer: a neutron diffraction study with isotopic substitution. <i>Radiochimica Acta</i> , 2008, 96, 679-683.	1.2	5
57	Head-to-head and head-to-tail multilayer n-alkylsilsesquioxane films. <i>Comptes Rendus Chimie</i> , 2013, 16, 897-905.	0.5	5
58	Insights on the influence of the precursors on the sol-gel synthesis of hybrid organic-inorganic saponite-like materials. <i>Comptes Rendus Chimie</i> , 2019, 22, 258-268.	0.5	5
59	Iron-rich clay mineral synthesis using design of experiments approach. <i>Applied Clay Science</i> , 2020, 199, 105876.	5.2	5
60	Thermal decomposition of a layered double hydroxide as a bottom up approach for the synthesis of metallic nanoparticles embedded in carbon structures. <i>New Journal of Chemistry</i> , 2020, 44, 16721-16732.	2.8	5
61	Interaction of titanium with smectite within the scope of a spent fuel repository: A spectroscopic approach. <i>Clay Minerals</i> , 2016, 51, 249-266.	0.6	4
62	Tailoring a hybrid three-component photoinitiating system for 3D printing. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 20507-20514.	2.8	4
63	Review: Clay-Modified Electrodes in Heterogeneous Electro-Fenton Process for Degradation of Organic Compounds: The Potential of Structural Fe(III) as Catalytic Sites. <i>Materials</i> , 2021, 14, 7742.	2.9	4
64	Stripping the latex: the challenge of miniemulsion polymerization without initiator, costabilizer and surfactant. <i>Colloid and Polymer Science</i> , 2014, 292, 3095-3102.	2.1	3
65	Photoinduced self-assembly of carboxylic acid-terminated lamellar silsesquioxane: highly functional films for attaching and patterning amino-based ligands. <i>RSC Advances</i> , 2015, 5, 45703-45709.	3.6	3
66	Talc-like hybrids: influence of the synthesis. <i>New Journal of Chemistry</i> , 2020, 44, 10326-10333.	2.8	3
67	Laponites® for the Recovery of ¹³³ Cs, ⁵⁹ Co, and ⁸⁸ Sr from Aqueous Solutions and Subsequent Storage: Impact of Grafted Silane Loads. <i>Materials</i> , 2020, 13, 572.	2.9	2
68	Co ²⁺ sorption capacity indicators of La Plata region's soils: insights and correlations with soil properties. <i>International Journal of Environment and Health</i> , 2019, 9, 224.	0.3	1
69	New Materials and Technologies for Wastewater Treatment. <i>Materials</i> , 2022, 15, 1927.	2.9	1