

Christian Detellier

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8239070/publications.pdf>

Version: 2024-02-01

67
papers

3,282
citations

101543

36
h-index

149698

56
g-index

68
all docs

68
docs citations

68
times ranked

2429
citing authors

#	ARTICLE	IF	CITATIONS
1	Interlamellar covalent grafting of organic units on kaolinite. <i>Chemistry of Materials</i> , 1993, 5, 747-748.	6.7	168
2	Aluminosilicate Nanocomposite Materials. Poly(ethylene glycol)âˆ“Kaolinite Intercalates. <i>Chemistry of Materials</i> , 1996, 8, 927-935.	6.7	160
3	Chemically modified kaolinite. Grafting of methoxy groups on the interlamellar aluminol surface of kaolinite. <i>Journal of Materials Chemistry</i> , 1996, 6, 1679.	6.7	137
4	Structural study of Maya Blue: textural, thermal and solidstate multinuclear magnetic resonance characterization of the palygorskite-indigo and sepiolite-indigo adducts. <i>Clays and Clay Minerals</i> , 2003, 51, 318-326.	1.3	131
5	Nanohybrid Kaolinite-Based Materials Obtained from the Interlayer Grafting of 3-Aminopropyltriethoxysilane and Their Potential Use as Electrochemical Sensors. <i>Chemistry of Materials</i> , 2007, 19, 6629-6636.	6.7	109
6	Preparation and Characterization of Two Distinct Ethylene Glycol Derivatives of Kaolinite. <i>Clays and Clay Minerals</i> , 1994, 42, 552-560.	1.3	102
7	Synthesis, stability and electrochemical properties of NiAl and NiV layered double hydroxides. <i>Journal of Materials Chemistry</i> , 2001, 11, 912-921.	6.7	100
8	Reactivity of ionic liquids with kaolinite: Melt intersalation of ethyl pyridinium chloride in an urea-kaolinite pre-intercalate. <i>Journal of Colloid and Interface Science</i> , 2006, 302, 254-258.	9.4	93
9	Dehydration and rehydration of palygorskite and the influence of water on the nanopores. <i>Clays and Clay Minerals</i> , 2004, 52, 635-642.	1.3	89
10	Aluminosilicate nanohybrid materials. Intercalation of polystyrene in kaolinite. <i>Journal of Physics and Chemistry of Solids</i> , 2006, 67, 950-955.	4.0	81
11	Functionalized nanohybrid materials obtained from the interlayer grafting of aminoalcohols on kaolinite. <i>Chemical Communications</i> , 2007, , 2613.	4.1	81
12	Nanostructured Hybrid Materials Formed by Sequestration of Pyridine Molecules in the Tunnels of Sepiolite. <i>Chemistry of Materials</i> , 2003, 15, 4956-4967.	6.7	80
13	Nanohybrid materials from interlayer functionalization of kaolinite. Application to the electrochemical preconcentration of cyanide. <i>Applied Clay Science</i> , 2008, 42, 95-101.	5.2	78
14	Nanohybrid materials from the intercalation of imidazolium ionic liquids in kaolinite. <i>Journal of Materials Chemistry</i> , 2007, 17, 1476.	6.7	77
15	Clayâˆ“Polymer Nanocomposite Material from the Delamination of Kaolinite in the Presence of Sodium Polyacrylate. <i>Langmuir</i> , 2009, 25, 10975-10979.	3.5	73
16	Nanohybrid materials from the grafting of imidazolium cations on the interlayer surfaces of kaolinite. Application as electrode modifier. <i>Journal of Materials Chemistry</i> , 2009, 19, 5996.	6.7	68
17	Reactivity of kaolinite in ionic liquids: preparation and characterization of a 1-ethyl pyridinium chlorideâˆ“kaolinite intercalate. <i>Journal of Materials Chemistry</i> , 2005, 15, 4734.	6.7	66
18	Preparation, characterization and application in controlled release of Ibuprofen-loaded Guar Gum/Montmorillonite Bionanocomposites. <i>Applied Clay Science</i> , 2017, 135, 52-63.	5.2	66

#	ARTICLE	IF	CITATIONS
19	Kaoliniteâ€“ionic liquid nanohybrid materials as electrochemical sensors for size-selective detection of anions. <i>Journal of Materials Chemistry</i> , 2012, 22, 20593.	6.7	65
20	Intercalation of cyclic imides in kaolinite. <i>Journal of Colloid and Interface Science</i> , 2008, 323, 338-348.	9.4	64
21	Functional nanohybrid materials derived from kaolinite. <i>Applied Clay Science</i> , 2016, 130, 33-39.	5.2	64
22	Square Wave Voltammetric Determination of Lead(II) Ions Using a Carbon Paste Electrode Modified by a Thiolâ€“Functionalized Kaolinite. <i>Electroanalysis</i> , 2011, 23, 245-252.	2.9	63
23	Clay Mineralsâ€“Ionic Liquids, Nanoarchitectures, and Applications. <i>Advanced Functional Materials</i> , 2018, 28, 1703845.	14.9	63
24	Preparation and Characterization of an 8.4 â„« Hydrate of Kaolinite. <i>Clays and Clay Minerals</i> , 1994, 42, 473-476.	1.3	60
25	Intercalation and interlamellar grafting of polyols in layered aluminosilicates. d-Sorbitol and adonitol derivatives of kaolinite. <i>Journal of Materials Chemistry</i> , 2003, 13, 2566.	6.7	59
26	PdNP Decoration of Halloysite Lumen via Selective Grafting of Ionic Liquid onto the Aluminol Surfaces and Catalytic Application. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 4862-4869.	8.0	58
27	Solid-state Nuclear Magnetic Resonance Study of Sepiolite and Partially Dehydrated Sepiolite. <i>Clays and Clay Minerals</i> , 2002, 50, 240-247.	1.3	55
28	Single Kaolinite Nanometer Layers Prepared by an In Situ Polymerizationâ€“Exfoliation Process in the Presence of Ionic Liquids. <i>Langmuir</i> , 2011, 27, 15248-15254.	3.5	53
29	Functional Kaolinite. <i>Chemical Record</i> , 2018, 18, 868-877.	5.8	53
30	Clay mineral-supported gold nanoparticles. <i>Applied Clay Science</i> , 2009, 43, 439-446.	5.2	52
31	Ionic Conductivity of Nanostructured Hybrid Materials Designed from Imidazolium Ionic Liquids and Kaolinite. <i>Chemistry of Materials</i> , 2008, 20, 7136-7142.	6.7	50
32	Synthesis and catalytic application of palladium nanoparticles supported on kaolinite-based nanohybrid materials. <i>Dalton Transactions</i> , 2016, 45, 9065-9072.	3.3	45
33	Poly(3,4-ethylenedioxythiophene)â€“clay nanocomposites. <i>Journal of Materials Chemistry</i> , 2008, 18, 2227.	6.7	44
34	Application of thermal analysis for the characterisation of intercalated and grafted organo-kaolinite nanohybrid materials. <i>Journal of Thermal Analysis and Calorimetry</i> , 2011, 104, 831-839.	3.6	44
35	Ionic liquidâ€“kaolinite nanohybrid materials for the amperometric detection of trace levels of iodide. <i>Analyst</i> , The, 2013, 138, 767-770.	3.5	42
36	Functionalization of the Interlayer Surfaces of Kaolinite by Alkylammonium Groups From Ionic Liquids. <i>Clays and Clay Minerals</i> , 2009, 57, 638-648.	1.3	40

#	ARTICLE	IF	CITATIONS
37	Complexation of the Sodium Cation by a Calix[4]arene Tetraester in Solution. Formation of a 2:1 Calixarene:Sodium Complex. <i>Journal of Physical Chemistry B</i> , 1997, 101, 1897-1901.	2.6	33
38	Kaolinite- ϵ -poly(methacrylamide) intercalated nanocomposite via in situ polymerization. <i>Canadian Journal of Chemistry</i> , 2009, 87, 272-279.	1.1	31
39	Intercalation of two phenolic acids in an ionic liquid- ϵ -kaolinite nanohybrid material and desorption studies. <i>Applied Clay Science</i> , 2014, 97-98, 153-159.	5.2	31
40	Intercalation of Tetraalkylammonium Cations into Smectites and its Application to Internal Surface Area Measurements. <i>Clays and Clay Minerals</i> , 1994, 42, 71-76.	1.3	30
41	Ionic Liquids-Kaolinite Nanostructured Materials. Intercalation of Pyrrolidinium Salts. <i>Clays and Clay Minerals</i> , 2008, 56, 82-89.	1.3	30
42	Preparation and Characterization of Guar-Montmorillonite Nanocomposites. <i>Materials</i> , 2013, 6, 5199-5216.	2.9	30
43	Preparation and characterization of novel clay/PLA nanocomposites. <i>Applied Clay Science</i> , 2015, 115, 87-96.	5.2	30
44	Organo-mineral nanohybrids. Incorporation, coordination and structuration role of acetone molecules in the tunnels of sepiolite. <i>Journal of Materials Chemistry</i> , 2006, 16, 179-185.	6.7	27
45	Kinetics and Mechanisms of Complexation of the Cesium Cation by 5,11,17,23-Tetra- <i>p</i> - <i>tert</i> -butyl-25,26,27,28-tetramethoxycalix[4]arene in Solution. <i>Journal of Physical Chemistry A</i> , 1998, 102, 1888-1893.	2.5	24
46	Structure of a Discrete 8:6 La(III): P-Sulfonatocalix[4]Arene Complex. <i>Supramolecular Chemistry</i> , 2001, 12, 457-464.	1.2	24
47	Molecule- ϵ -Surface Recognition between Heterocyclic Aromatic Compounds and Kaolinite in Toluene Investigated by Molecular Theory of Solvation and Thermodynamic and Kinetic Experiments. <i>Journal of Physical Chemistry C</i> , 2014, 118, 23821-23834.	3.1	23
48	Hydrogen evolution reaction at PdNPs decorated 1:1 clay minerals and application to the electrocatalytic determination of <i>p</i> -nitrophenol. <i>Journal of Electroanalytical Chemistry</i> , 2017, 801, 49-56.	3.8	23
49	Mechanisms of Formation and Dissociation of a Cesium- ϵ -Calix[4]arene Acetamide Complex in Solution: ϵ -A Cs-133 Dynamic NMR Study. <i>Journal of Physical Chemistry A</i> , 1999, 103, 3825-3829.	2.5	18
50	Kaolinite aggregation in book-like structures from non-aqueous media. <i>Clays and Clay Minerals</i> , 2017, 65, 193-205.	1.3	18
51	Concurrent insertion of cationic guest and solvent molecules in molecular receptors. Co-complexation of the sodium cation and acetonitrile by a calix[4]arene tetra-acetamide. <i>Dalton Transactions RSC</i> , 2002, , 428.	2.3	17
52	Zirconium oxide nanoparticles coated on sepiolite by sol- ϵ -gel process- ϵ Their application as a solvent-free catalyst for condensation reactions. <i>Canadian Journal of Chemistry</i> , 2011, 89, 280-288.	1.1	16
53	Sensitive Amperometric Determination of Thiocyanates at Ionic Liquid Nanohybrid Kaolinite Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , 2018, 30, 543-550.	2.9	15
54	Ring inversion kinetics of <i>p</i> -sulfonatocalix[4]arene and of its Ca(II) and La(III) complexes in water and water-acetone solutions. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 1253-1257.	2.8	14

#	ARTICLE	IF	CITATIONS
55	Effect of groundwater chemistry and temperature on swelling and microstructural properties of sandâ€“bentonite for barriers of radioactive waste repositories. Bulletin of Engineering Geology and the Environment, 2021, 80, 1857-1873.	3.5	13
56	Intercalation of a block co-polymer in kaolinite. Journal of Colloid and Interface Science, 2015, 450, 361-365.	9.4	12
57	Solid-State ¹ H and ²⁷ Al NMR Studies of DMSO-Kaolinite Intercalates. Clays and Clay Minerals, 2017, 65, 206-219.	1.3	12
58	Gas Chromatographic Separation of Linear Hydrocarbons on Microporous Organo-Smectites. Clays and Clay Minerals, 1994, 42, 477-481.	1.3	11
59	Conformational Dynamics of 5,11,17,23-Tetra-p-tert-butyl-25,27-di(N,N)-Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 592 Td (diethylammonium) Cesium Cation Complexation in Solution Studied by ¹ H, ¹³ C, and ¹³³ Cs NMR Spectroscopy. Journal of Physical Chemistry A, 1999, 103, 9204-9210.	2.5	11
60	Deposition of gold nanoparticles on organo-kaolinite â€” Application in electrocatalysis for carbon monoxide oxidation. Canadian Journal of Chemistry, 2011, 89, 845-853.	1.1	11
61	Characterization and Applications of Kaolinite Robustly Grafted by an Ionic Liquid with Naphthyl Functionality. Materials, 2017, 10, 1006.	2.9	11
62	Sedimentation of fine particles of kaolinite and polymer-coated kaolinite in cyclohexane: Implications for fines removal from extracted bitumen in non-aqueous processes. Fuel, 2018, 234, 218-224.	6.4	9
63	Complexation of the Sodium Cation by a Calix[8]arene Derivative: Formation of 2:1 and 3:1 Na ⁺ -Calixarene Complexes in Solution. Supramolecular Chemistry, 1998, 9, 289-295.	1.2	5
64	Observation by Scanning Electron Microscopy of Globular Particles of Calcium-Montmorillonite and of Montmorillonite Exchanged with Methyl Viologen or Tris (Bipyridyl) Ruthenium (II). Clays and Clay Minerals, 1992, 40, 362-364.	1.3	5
65	Computational and Experimental Investigations of the Role of Water and Alcohols in the Desorption of Heterocyclic Aromatic Compounds from Kaolinite in Toluene. Journal of Physical Chemistry C, 2018, 122, 10377-10391.	3.1	4
66	Contamination of Magadiite by Fluorine in Commonly Used Synthetic Procedures. Clays and Clay Minerals, 1998, 46, 478-480.	1.3	3
67	Complexation of the caesium cation by the host p-tert-butylcalix[6]arene hexaacetamide. Dalton Transactions, 2003, , 4574.	3.3	3