Frederic Villieras

List of Publications by Year
in descending order

152 papers	4,787 citations	81900 39 h-index	128289 60 g-index
153 all docs	153 docs citations	153 times ranked	4248 citing authors

#	Article	IF	Citations
1	Chemical coagulation of combined sewer overflow: Heavy metal removal and treatment optimization. Water Research, 2008, 42, 951-960.	11.3	275
2	Thermodynamic model of ionic and nonionic surfactants adsorption-abstraction on heterogeneous surfaces. Langmuir, 1992, 8, 1251-1264.	3.5	197
3	Nanomorphology of montmorillonite particles: Estimation of the clay edge sorption site density by low-pressure gas adsorption and AFM observations. American Mineralogist, 2003, 88, 1989-1995.	1.9	150
4	Structure and mechanisms of formation of iron oxide hydroxide (chloride) polymers. Langmuir, 1994, 10, 316-319.	3.5	147
5	The Structural Microscopic Hydrophilicity of Talc. Langmuir, 1994, 10, 3765-3773.	3.5	115
6	The effects of exchanged cation, compression, heating and hydration on textural properties of bulk bentonite and its corresponding purified montmorillonite. Applied Clay Science, 2003, 22, 153-168.	5.2	115
7	Hydration and Dispersion of C₆₀ in Aqueous Systems: The Nature of Waterâ"Fullerene Interactions. Langmuir, 2009, 25, 11232-11235.	3.5	103
8	Texture and surface energetic heterogeneity of solids from modeling of low pressure gas adsorption isotherms. Langmuir, 1992, 8, 1789-1795.	3.5	95
9	An Improved Derivative Isotherm Summation Method To Study Surface Heterogeneity of Clay Minerals. Langmuir, 1997, 13, 1104-1117.	3.5	92
10	Surface area, porosity and water adsorption properties of fine volcanic ash particles. Bulletin of Volcanology, 2005, 67, 160-169.	3.0	91
11	Pre-collisional geodynamic context of the southern margin of the Pan-African fold belt in Cameroon. Journal of African Earth Sciences, 2014, 99, 245-260.	2.0	85
12	Experimental synthesis of chlorite from smectite at 300ÂºC in the presence of metallic Fe. Clay Minerals, 2003, 38, 281-302.	0.6	78
13	Textural and hydration properties of a synthetic montmorillonite compared with a natural Na-exchanged clay analogue. Applied Clay Science, 2010, 48, 18-25.	5.2	76
14	Water organisation at the solidâ€"aqueous solution interface. Comptes Rendus - Geoscience, 2002, 334, 611-631.	1.2	72
15	Measurement of hydration capacity of wheat flour: influence of composition and physical characteristics. Powder Technology, 2002, 128, 326-331.	4.2	71
16	Assessment of surface energetic heterogeneity of synthetic Na- saponites. The role of layer charge. Clay Minerals, 2002, 37, 39-57.	0.6	67
17	Migration of Cations in Copper(II)-Exchanged Montmorillonite and Laponite upon Heating. Clays and Clay Minerals, 1997, 45, 789-802.	1.3	65
18	Experimental study of the transformation of smectite at 80 and 300Â°C in the presence of Fe oxides. Clay Minerals, 2004, 39, 17-34.	0.6	65

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19	In situ neutron diffraction analysis of the influence of geometric confinement on crystalline swelling of montmorillonite. Applied Clay Science, 2006, 31, 76-84.	5.2	64
20	Morphology and surface heterogeneities in synthetic goethites. Journal of Colloid and Interface Science, 2003, 261, 244-254.	9.4	62
21	Hydration Mechanisms and Swelling Behavior of Na-Magadiite. Chemistry of Materials, 2001, 13, 1480-1486.	6.7	61
22	AFM and low-pressure argon adsorption analysis of geometrical properties of phyllosilicates. Journal of Colloid and Interface Science, 2006, 296, 614-623.	9.4	55
23	Assessment of the surface areas of silica and clay in acid-leached clay materials using concepts of adsorption on heterogeneous surfaces. Journal of Colloid and Interface Science, 2005, 289, 104-115.	9.4	54
24	Separation of hydrocarbons and lipid from water using treated bark. Water Research, 2003, 37, 362-374.	11.3	53
25	Hydration Water and Swelling Behavior of Magadiite. The H+, Na+, K+, Mg2+, and Ca2+Exchanged Forms. Journal of Physical Chemistry B, 2002, 106, 730-742.	2.6	52
26	Towards a link between the energetic heterogeneities of the edge faces of smectites and their stability in the context of metallic corrosion. Geochimica Et Cosmochimica Acta, 2007, 71, 1463-1479.	3.9	52
27	Porosity of Synthetic Saponites with Variable Layer Charge Pillared by Al13 Polycations. Langmuir, 1995, 11, 2849-2852.	3.5	47
28	Affinity of C60Fullerenes with Water. Fullerenes Nanotubes and Carbon Nanostructures, 2006, 14, 307-314.	2.1	46
29	Evolution of the Porous Structure and Surface Area of Palygorskite Under Vacuum Thermal Treatment. Clays and Clay Minerals, 1991, 39, 191-201.	1.3	44
30	Surface heterogeneity of minerals. Comptes Rendus - Geoscience, 2002, 334, 597-609.	1.2	44
31	Structuralâ€“chemical disorder of manganese dioxides. Journal of Colloid and Interface Science, 2003, 257, 77-84.	9.4	44
32	Dissolution kinetics of synthetic Na-smectite. An integrated experimental approach. Geochimica Et Cosmochimica Acta, 2011, 75, 5849-5864.	3.9	44
33	Microstructure of a compacted soil submitted to an alkaline PLUME. Applied Clay Science, 2008, 40, 159-170.	5.2	43
34	Physicochemical properties of talc ore from three deposits of Lamal Pougue area (Yaounde) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 Tc	5.2	42
35	Berthierine-like mineral formation and stability during the interaction of kaolinite with metallic iron at 90 ÂC under anoxic and oxic conditions. American Mineralogist, 2013, 98, 163-180.	1.9	42
36	Development of Microporosity in Clinochlore Upon Heating. Clays and Clay Minerals, 1994, 42, 679-688.	1.3	41

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37	On the Origin of the Decay of the Photocatalytic Activity of TiO₂ Powders Ground at High Energy. Journal of Physical Chemistry C, 2009, 113, 16589-16602.	3.1	41
38	A comparative study of some kaolinites surface properties. Applied Clay Science, 2019, 172, 135-145.	5.2	41
39	Structural Role of Hydration Water in Na- and H-Magadiite:Â A Spectroscopic Study. Chemistry of Materials, 2001, 13, 4439-4446.	6.7	40
40	High resolution argon and nitrogen adsorption assessment of the surface heterogeneity of carbosils. Carbon, 1998, 36, 1501-1510.	10.3	39
41	Evidence of a critical content in Fe(0) on FoCa7 bentonite reactivity at 80ÂÂ°C. Applied Clay Science, 2008, 38, 187-202.	5.2	39
42	Surface Heterogeneity in Micropores of Pillared Clays:Â The Limits of Classical Pore-Filling Mechanisms. Journal of Physical Chemistry B, 1998, 102, 3466-3476.	2.6	37
43	HIGH RESOLUTION GAS ADSORPTION STUDY ON ILLITES PERMUTED WITH VARIOUS CATIONS ASSESSMENT OF SURFACE ENERGETIC PROPERTIES. Journal of Dispersion Science and Technology, 1998, 19, 739-759.	2.4	37
44	Chapter 12.9 Surface Area and Porosity. Developments in Clay Science, 2006, , 965-978.	0.5	34
45	Talc indices from Boumnyebel (Central Cameroon), physico-chemical characteristics and geochemistry. Journal of African Earth Sciences, 2006, 45, 61-73.	2.0	34
46	Calorimetric Effects Accompanying Ion Adsorption at the Charged Metal Oxide/Electrolyte Interfaces:Â Effects of Oxide Surface Energetic Heterogeneity. Langmuir, 1998, 14, 5210-5225.	3.5	33
47	Structural Variations as a Function of Surface Adsorption in Nanostructured Particles. Journal of Physical Chemistry B, 2004, 108, 5333-5340.	2.6	33
48	Bentoniteâ€“iron interactions under alkaline condition: An experimental approach. Applied Clay Science, 2006, 32, 1-13.	5.2	33
49	Geological context of the Boumnyebel talcschists (Cameroun): Inferences on the Pan-African Belt of Central Africa. Comptes Rendus - Geoscience, 2010, 342, 108-115.	1.2	33
50	Alteration of cameroonian clays under acid treatment. Comparison with industrial adsorbents. Applied Clay Science, 2011, 52, 122-132.	5.2	33
51	Water environment and nanostructural network in a reactive powder concrete. Cement and Concrete Composites, 1996, 18, 23-29.	10.7	31
52	Thermal decomposition of HfCl4 as a function of its hydration state. Journal of Solid State Chemistry, 2006, 179, 1842-1851.	2.9	30
53	Intercalation of Al13-Polyethyleneoxide Complexes into Montmorillonite Clay. Clays and Clay Minerals, 1995, 43, 417-426.	1.3	29
54	DÃ©couverte des roches Ã affinitÃ© ophiolitique dans la chaÃ®ne panafricaine au Cameroun : les talcschistes de Ngoung, Lamal Pougue et Bibodi Lamal. Comptes Rendus - Geoscience, 2006, 338, 1167-1175.	1.2	29

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55	Mechanically activated solid-state synthesis of hafnium carbide and hafnium nitride nanoparticles. Journal of Alloys and Compounds, 2008, 456, 224-233.	5.5	29
56	Calorimetric Effects of Simple Ion Adsorption at the Silica/Electrolyte Interface:Â Quantitative Analysis of Surface Energetic Heterogeneityâ€. Langmuir, 1999, 15, 5977-5983.	3.5	28
57	Kinetics of Salicylic Acid Adsorption on Activated Carbon. Langmuir, 2005, 21, 2988-2996.	3.5	28
58	Characterization for industrial applications of clays from Lembo deposit, Mount Bana (Cameroon). Clay Minerals, 2008, 43, 415-435.	0.6	28
59	The synthesis of MCM-41 nanomaterial from Algerian Bentonite: The effect of the mineral phase contents of clay on the structure properties of MCM-41. Comptes Rendus Chimie, 2014, 17, 1-6.	0.5	28
60	A New Molecular Probe Method To Study Surface Topography of Carbonaceous Solid Surfaces. Langmuir, 1996, 12, 170-182.	3.5	27
61	Structural and Energetic Nonuniformities of Pyrocarbonâ€“Mineral Adsorbents. Journal of Colloid and Interface Science, 2001, 238, 340-356.	9.4	27
62	Application of the Theoretical 1-pK Approach to Analyzing Proton Adsorption Isotherm Derivatives on Heterogeneous Oxide Surfaces. Journal of Physical Chemistry B, 2002, 106, 13280-13286.	2.6	27
63	Structuralâ€“chemical disorder of manganese dioxides. Journal of Colloid and Interface Science, 2003, 264, 343-353.	9.4	27
64	Assessing the bleaching capacity of some Cameroonian clays on vegetable oils. Applied Clay Science, 2008, 39, 113-121.	5.2	27
65	Characterization of suspended particulate matter in the Moselle River (Lorraine, France): evolution along the course of the river and in different hydrologic regimes. Journal of Soils and Sediments, 2016, 16, 1625-1642.	3.0	27
66	Calorimetric Effects and Temperature Dependence of Simple Ion Adsorption at Oxideâ^'Electrolyte Interface:Â A Theoretical Analysis Based on the Triple-Layer Complexation Model. Langmuir, 1997, 13, 483-495.	3.5	26
67	Wettability Change Related to Adsorption of Organic Acids on Calcite: Experimental and Ab Initio Computational Studies. SPE Journal, 1999, 4, 328-333.	3.1	25
68	Influence of Morphology and Crystallinity on Surface Reactivity of Nanosized Anatase TiO₂ Studied by Adsorption Techniques. 2. Solidâ€“Liquid Interface. Journal of Physical Chemistry C, 2013, 117, 4459-4469.	3.1	25
69	Combination of multi-scale and multi-edge X-ray spectroscopy for investigating the products obtained from the interaction between kaolinite and metallic iron in anoxic conditions at 90ÂÂ°C. Physics and Chemistry of Minerals, 2013, 40, 115-132.	0.8	25
70	Calorimetric studies of simple ion adsorption at oxide/electrolyte interface titration experiments and their theoretical analysis based on 2-pK charging mechanism and on the triple layer model. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1998, 137, 57-68.	4.7	24
71	Adsorption of cadmium ions at the electrolyte/silica interface. Applied Surface Science, 2002, 196, 322-330.	6.1	24
72	Role of Exchangeable Cations on Geometrical and Energetic Surface Heterogeneity of Kaolinites. Langmuir, 2005, 21, 12283-12289.	3.5	24

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73	Physicochemical properties of talc ore from Pout-Kelle and Memel deposits (central Cameroon). Clay Minerals, 2008, 43, 317-337.	0.6	24
74	Long chain ionic surfactants: the understanding of adsorption mechanisms from the resolution of adsorption isotherms. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2002, 205, 85-99.	4.7	23
75	Surface and Textural Heterogeneity of Fresh Hydrous Ferric Oxides in Water and in the Dry State. Journal of Colloid and Interface Science, 1993, 159, 45-52.	9.4	22
76	Electrochemical properties of solids at the aqueousâ€“solid interface and heterogeneity of surface. Comptes Rendus - Geoscience, 2002, 334, 633-648.	1.2	22
77	AltÃ©ration diffÃ©rentielle du granite en zone tropicale. Exemple de deux sÃ©quences Ã©tudiÃ©es au Cameroun (Afrique centrale). Comptes Rendus - Geoscience, 2008, 340, 451-461.	1.2	22
78	Al-Rich Ordered Mesoporous Silica SBA-15 Materials: Synthesis, Surface Characterization and Acid Properties. Catalysis Letters, 2017, 147, 2116-2126.	2.6	22
79	Synthesis of a red iron oxide/montmorillonite pigment in a CO2-rich brine solution. Journal of Colloid and Interface Science, 2006, 303, 472-476.	9.4	21
80	Effect of chemical modification on surface free energy components of Aerosil silica powders determined with capillary rise technique. Powder Technology, 2013, 246, 575-582.	4.2	21
81	Surface heterogeneity of kanemite, magadiite and kenyaite: a high-resolution gas adsorption study. Clay Minerals, 2002, 37, 531-542.	0.6	20
82	Pedogenic formation of smectites in a vertisol developed from granitic rock from KaÃ©lÃ© (Cameroon,) Tj ETQq0 0 0 rgBT /Overlock 10	0.6	20
83	Characterization of spatial and energetic structures of carbonâ€“silica gels. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2000, 173, 159-169.	4.7	19
84	Chemistry and Structure of Al(OH)/Organic Precipitates. A Small Angle X-ray Scattering Study. 1. Numerical Procedure for Speciation from Scattering Curves. Langmuir, 1994, 10, 4344-4348.	3.5	18
85	Assessment of surface heterogeneity of calcite and apatite: from high resolution gas adsorption to the solidâ€“liquid interface. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1999, 146, 163-174.	4.7	18
86	Micropore formation due to thermal decomposition of hydroxide layer of Mg-chlorites: interactions with water. Applied Clay Science, 1993, 8, 147-168.	5.2	17
87	Characterization of Titania/Silica Gel by Means of Low-Pressure Nitrogen Adsorption. Journal of Colloid and Interface Science, 2000, 230, 320-327.	9.4	17
88	Investigation of Activated Carbon Surface Heterogeneity by Argon and Nitrogen Low-Pressure Quasi-Equilibrium Volumetry. Langmuir, 2005, 21, 2838-2846.	3.5	17
89	Ionic surfactants adsorption on heterogeneous surfaces. Comptes Rendus - Geoscience, 2002, 334, 675-688.	1.2	16
90	Manganese Dioxides Surface Properties Studied by XPS and Gas Adsorption. Journal of the Electrochemical Society, 2004, 151, A1611.	2.9	16

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91	Interaction of pyrene fluoroprobe with natural and synthetic humic substances: Examining the local molecular organization from photophysical and interfacial processes. Chemosphere, 2010, 80, 228-234.	8.2	16
92	Experimental Studies and Theoretical Interpretation of the Calorimetric Effects Accompanying Ion Adsorption at Oxide/Electrolyte Interfaces:Â Application of Flow Adsorption Calorimetryâ€. Langmuir, 1999, 15, 5921-5931.	3.5	14
93	Sixth International Symposium. Applied Surface Science, 2007, 253, 5565-5569.	6.1	14
94	Surface modification of TiO2 nanoparticles with AHAPS aminosilane: distinction between physisorption and chemisorption. Adsorption, 2013, 19, 1197-1209.	3.0	14
95	Thermogravimetric analysis of a talc mixture. Thermochimica Acta, 1992, 211, 155-162.	2.7	13
96	A 3 year stability study of tolbutamide solid dispersions and Î²-cyclodextrin complex. International Journal of Pharmaceutics, 1995, 117, 247-251.	5.2	13
97	Title is missing!. Magyar AprÃ³vad KÃ¶zlemÃ©nyek, 1999, 55, 511-530.	1.4	13
98	Melting kinetics of granitic powder aggregates at 1175Â°C, 1 atm. European Journal of Mineralogy, 2005, 17, 387-398.	1.3	13
99	Activated carbon surface heterogeneity seen by parallel probing by inverse liquid chromatography at the solid/liquid interface and by gas adsorption analysis at the solid/gas interface. Carbon, 2007, 45, 240-247.	10.3	13
100	Indirect estimation of the clay content of clay-rocks using acoustic measurements: New insights from the Montiers-sur-Saulx deep borehole (Meuse, France). Marine and Petroleum Geology, 2014, 53, 117-132.	3.3	13
101	Reactivity of Callovo-Oxfordian Claystone and its Clay Fraction With Metallic Iron: Role of Non-Clay Minerals in the Interaction Mechanism. Clays and Clay Minerals, 2015, 63, 290-310.	1.3	13
102	Improvement of the photocatalytic activity of TiO2 induced by organic pollutant enrichment at the surface of the organografted catalyst. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 485, 73-83.	4.7	13
103	Iron mineralogy as a fingerprint of former steelmaking activities in river sediments. Science of the Total Environment, 2017, 599-600, 540-553.	8.0	13
104	Use of the Gaussian Distribution Function as a Tool to Estimate Continuous Heterogeneity in Adsorbing Systems. Journal of Colloid and Interface Science, 2001, 240, 400-411.	9.4	12
105	Adsorption of humic acid onto a kaolinitic clay studied by high-resolution argon adsorption volumetry. Clay Minerals, 2003, 38, 433-443.	0.6	12
106	Influence of electrolyte ion adsorption on the derivative of potentiometric titration curve of oxide suspension â€“ theoretical analysis. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2004, 244, 9-17.	4.7	12
107	Evolution of product phase assemblages during thermal decomposition of muscovite under strong disequilibrium conditions. American Mineralogist, 2006, 91, 413-424.	1.9	12
108	Influence of Morphology and Crystallinity on Surface Reactivity of Nanosized Anatase TiO₂ Studied by Adsorption Techniques. 1. The Use of Gaseous Molecular Probes. Journal of Physical Chemistry C, 2012, 116, 24596-24606.	3.1	12

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109	Mineralogy and geochemical behaviour during weathering of greenstone belt under tropical dry conditions in the extreme North Cameroon (Central Africa). Chemie Der Erde, 2014, 74, 185-193.	2.0	12
110	Action of a clay suspension on an Fe(0) surface under anoxic conditions: Characterization of neoformed minerals at the Fe(0)/solution and Fe(0)/atmosphere interfaces. Applied Geochemistry, 2015, 61, 62-71.	3.0	12
111	Clay Swelling: New Insights from Neutron-Based Techniques. Neutron Scattering Applications and Techniques, 2009, , 521-546.	0.2	12
112	Inverse Liquid Chromatography Investigation of Adsorption on Heterogeneous Solid Surfaces:Â Phenylalanine on Activated Carbon. Langmuir, 2002, 18, 8546-8552.	3.5	11
113	Ni-Co sulphide segregation in the Mamb pyroxenite intrusion, Cameroon. Comptes Rendus - Geoscience, 2009, 341, 517-525.	1.2	11
114	The Distribution of Heavy Metals in the Lower River Basin, Lebanon. Physics Procedia, 2014, 55, 456-463.	1.2	11
115	Study of low-pressure argon adsorption on synthetic nontronite: implications for smectite crystal growth. Clays and Clay Minerals, 2014, 62, 102-111.	1.3	11
116	Adsorption and photocatalysis activity of TiO2/bentonite composites. , 0, 98, 196-215.		10
117	Title is missing!. Adsorption, 1998, 4, 287-297.	3.0	9
118	Adsorption of cadmium ions at the electrolyte/silica interface. Applied Surface Science, 2002, 196, 331-342.	6.1	9
119	The evolution of textural properties of Na/Ca-bentonite following hydrothermal treatment at 80 and 300ÂºC in the presence of Fe and/or Fe oxides. Clay Minerals, 2003, 38, 213-223.	0.6	9
120	Towards a better description of organosilane grafting onto silica particles using volumetric techniques based on molecular probing. Adsorption, 2016, 22, 923-937.	3.0	9
121	Modification of calcium carbonate surface properties: macroscopic and microscopic investigations. Journal of Adhesion Science and Technology, 1999, 13, 1481-1493.	2.6	7
122	Influence of relative humidity on electrical properties of Î±-Al2O3 powders: Resistivity and electrochemical impedance spectroscopy. Journal of Colloid and Interface Science, 2005, 286, 615-620.	9.4	7
123	Transport of EOR polymer solutions in low permeability porous media: Impact of clay type and injection water composition. Journal of Petroleum Science and Engineering, 2020, 186, 106690.	4.2	7
124	Crystal Growth of Smectite: A Study Based on the Change in Crystal Chemistry and Morphology of Saponites with Synthesis Time. ACS Earth and Space Chemistry, 2020, 4, 14-23.	2.7	7
125	Multistage wet grinding of talc: relation between physico-chemical parameters of the filler and mechanical properties of filled polypropylenes. Journal of Materials Science, 1993, 28, 1856-1866.	3.7	6
126	Les phÃ©nomÃ¨nes dâ€™adsorption, dâ€™Ã©change ou de rÃ©tention Ã lâ€™interface solideâ€“solution aqueuse.1.ÂConnaissance des propriÃ©tÃ©s structurales, texturales et superficielles des solides. Comptes Rendus De L'AcadÃ©mie Des Sciences Earth & Planetary Sciences SÃ©rie II, Sciences De La Terre Et Des PlanÃ¨tes =, 2000, 331, 763-773.	0.2	6

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127	Adsorption of Spherical Molecules in Probing the Surface Topography. 1. Patchwise Heterogeneity Model. Langmuir, 2002, 18, 2075-2088.	3.5	6
128	A new way of assessing clay cation adsorption using normalized salt concentration. Clay Minerals, 2003, 38, 233-242.	0.6	6
129	Development of mineralogy applications in mineral processing. European Journal of Mineralogy, 1991, 3, 667-676.	1.3	6
130	Estimation of enthalpic effects of ion adsorption at oxide/electrolyte interfaces from temperature dependence of adsorption data. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1999, 152, 381-386.	4.7	5
131	Evidences for the relationship between surface structure andÂreactivity of goethite nanoparticles based on advanced molecular-probe methods. Adsorption, 2010, 16, 185-195.	3.0	5
132	Transport of HPAM Solutions in low Permeability Porous Media: Impacts of Salinity and Clay Content. , 2019, , .		5
133	Adsorption of Spherical Molecules in Probing the Surface Topography:Â 2. Model of Conditional Probabilities. Langmuir, 2002, 18, 3963-3979.	3.5	4
134	Effects of oxidation on surface heterogeneity of carbosils. Applied Surface Science, 2002, 196, 126-137.	6.1	4
135	Surface Heterogeneity at the Solid-Gas Interface of Hydrophilic Solids Modified by Water-Repellent Molecules. Adsorption Science and Technology, 2007, 25, 561-571.	3.2	4
136	Simulation study of argon adsorption on (001) faces of phyllosilicates. Applied Surface Science, 2007, 253, 5628-5632.	6.1	4
137	Development and evolution of water vapor vesicles during fast thermal breakdown of muscovite. Physics and Chemistry of Minerals, 2007, 34, 559-572.	0.8	4
138	Mechanically-activated solid-state synthesis of nanoparticles of HfB<SUB align=right>2, HfC and HfN from partially hydrated hafnium tetrachloride. International Journal of Nanotechnology, 2008, 5, 649.	0.2	4
139	Enhanced Photocatalytic Degradation of Salicylic Acid in Water-ethanol Mixtures from Titanium Dioxide Grafted with Hexadecyltrichlorosilane. Physics Procedia, 2014, 55, 403-408.	1.2	4
140	A quantitative study of solid surface heterogeneity based on the statistical rate theory for analyzing spectra of controlled-rate thermal analysisThe work was carried out at both ICSC-PAS Krakow (Poland) and LEM-INPL Nancy (France).. Physical Chemistry Chemical Physics, 2004, 6, 3684.	2.8	3
141	Study of Physicochemical Properties of Colloidal Sediments of Litani River in Lebanon. Physics Procedia, 2014, 55, 251-258.	1.2	3
142	Study of the Correlation of the Physicochemical Characteristics of the Litani Lower River Basin. Physics Procedia, 2014, 55, 451-455.	1.2	2
143	Understanding water transport through polysulfone asymmetric membranes. Desalination, 2006, 199, 454-455.	8.2	1
144	Study of Gas Adsorption on Biphasic Nanostructured Surfaces. Physics Procedia, 2014, 55, 373-382.	1.2	1

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145	Synthesis of MCM-41 nanomaterial from Algerian bentonite: influence of synthesis pH. Journal of Fundamental and Applied Sciences, 2017, 9, 636.	0.2	1
146	Different strategies of surface modification to improve the photocatalysis properties: pollutant adsorption, visible activation, and catalyst recovery. , 2020, , 39-57.		1
147	Assessment of surface heterogeneity of lime treated kaolinites: Probed by low-pressure argon and nitrogen gas adsorption. Applied Clay Science, 2021, 206, 106069.	5.2	1
148	Natural suspended particulate matter (SPM) versus lab-controlled particles: Comparison of the reactivity and association mode of Zn. Applied Geochemistry, 2022, 140, 105286.	3.0	1
149	Ionic Surfactants Adsorption on Heterogeneous Surfaces. ChemInform, 2003, 34, no.	0.0	0
150	Surface Heterogeneity of Minerals. ChemInform, 2003, 34, no.	0.0	0
151	Monte Carlo simulations of controlled rate thermal analysis spectra. Applied Surface Science, 2005, 239, 353-366.	6.1	0
152	Low-pressure argon adsorption assessment of micropore connectivities in activated carbons. Journal of Colloid and Interface Science, 2006, 293, 248-251.	9.4	0