Thomas Georgelin

List of Publications by Year
in descending order

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38	1,144	304743 22	395702 33
papers	citations	h-index	g-index

39	39	39	1577
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cysteine-montmorillonite composites for heavy metal cation complexation: A combined experimental and theoretical study. Chemical Engineering Journal, 2017, 314, 406-417.	12.7	68
2	Interactions Between Giant Unilamellar Vesicles and Charged Coreâˆ'Shell Magnetic Nanoparticles. Langmuir, 2010, 26, 16025-16030.	3.5	63
3	Selectivities in Adsorption and Peptidic Condensation in the (Arginine and Glutamic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 662	3.1	60
4	A comparative study of the catalysis of peptide bond formation by oxide surfaces. Physical Chemistry Chemical Physics, 2013, 15, 13371.	2.8	55
5	Effect of Nontronite Smectite Clay on the Chemical Evolution of Several Organic Molecules under Simulated Martian Surface Ultraviolet Radiation Conditions. Astrobiology, 2015, 15, 221-237.	3.0	49
6	Selective Uptake of Alkaline Earth Metals by Cyanobacteria Forming Intracellular Carbonates. Environmental Science & Technology, 2016, 50, 11654-11662.	10.0	47
7	Chargeâ€based characterization of nanometric cationic bifunctional maghemite/silica core/shell particles by capillary zone electrophoresis. Electrophoresis, 2009, 30, 2572-2582.	2.4	46
8	Synthesis and characterization of functionalized coreâ€“shell Î³Fe2O3â€“SiO2 nanoparticles. Journal of Magnetism and Magnetic Materials, 2009, 321, 1408-1413.	2.3	44
9	In vitro synthesis of amorphous Mg-, Ca-, Sr- and Ba-carbonates: What do we learn about intracellular calcification by cyanobacteria?. Geochimica Et Cosmochimica Acta, 2015, 161, 36-49.	3.9	44
10	Cyanobacterial formation of intracellular Caâ€carbonates in undersaturated solutions. Geobiology, 2018, 16, 49-61.	2.4	42
11	Nanoparticleâ€Mediated Delivery of Bleomycin. Angewandte Chemie - International Edition, 2010, 49, 8897-8901.	13.8	40
12	Enhancing the magnetic anisotropy of maghemite nanoparticles via the surface coordination of molecular complexes. Nature Communications, 2015, 6, 10139.	12.8	39
13	Design of multifunctionalized Î³-Fe2O3@SiO2 coreâ€“shell nanoparticles for enzymes immobilization. Journal of Nanoparticle Research, 2010, 12, 675-680.	1.9	37
14	Phosphoribosyl Pyrophosphate: A Molecular Vestige of the Origin of Life on Minerals. Angewandte Chemie - International Edition, 2017, 56, 7920-7923.	13.8	37
15	Inorganic Phosphate and Nucleotides on Silica Surface: Condensation, Dismutation, and Phosphorylation. Journal of Physical Chemistry C, 2013, 117, 12579-12590.	3.1	36
16	Formation of Activated Biomolecules by Condensation on Mineral Surfaces â€“ A Comparison of Peptide Bond Formation and Phosphate Condensation. Origins of Life and Evolution of Biospheres, 2013, 43, 429-443.	1.9	35
17	Proton irradiation: a key to the challenge of N-glycosidic bond formation in a prebiotic context. Scientific Reports, 2017, 7, 14709.	3.3	35
18	Haptotropic Rearrangements in Sandwich (Fluorenyl)(Cyclopentadienyl) Iron and Ruthenium Complexes. Organometallics, 2008, 27, 387-393.	2.3	33

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19	Magnetic core shell nanoparticles trapping in a microdevice generating high magnetic gradient. Lab on A Chip, 2011, 11, 833.	6.0	29
20	Microwave bentonite silylation for dye removal: Influence of the solvent. Applied Clay Science, 2019, 168, 478-487.	5.2	27
21	Potential Role of Inorganic Confined Environments in Prebiotic Phosphorylation. Life, 2018, 8, 7.	2.4	25
22	A chemometric approach for optimizing protein covalent immobilization on magnetic coreâ€“shell nanoparticles in view of an alternative immunoassay. Talanta, 2010, 81, 1703-1710.	5.5	23
23	Synthesis of RNA Nucleotides in Plausible Prebiotic Conditions from ab Initio Computer Simulations. Journal of Physical Chemistry Letters, 2018, 9, 4981-4987.	4.6	22
24	Stabilization of ribofuranose by a mineral surface. Carbohydrate Research, 2015, 402, 241-244.	2.3	21
25	Functionalization of Î³-Fe2O3 nanoparticles through the grafting of an organophosphorous ligand. Sensors and Actuators B: Chemical, 2008, 134, 451-454.	7.8	18
26	Kinetic analyses and performance of a colloidal magnetic nanoparticle based immunoassay dedicated to allergy diagnosis. Analytical and Bioanalytical Chemistry, 2011, 400, 3395-3407.	3.7	18
27	Equilibrium and non-equilibrium furanose selection in the ribose isomerisation network. Nature Communications, 2021, 12, 2749.	12.8	17
28	Phosphoribosyl Pyrophosphate: A Molecular Vestige of the Origin of Life on Minerals. Angewandte Chemie, 2017, 129, 8028-8031.	2.0	16
29	Iron(III) Oxide Nanoparticles as Catalysts for the Formation of Linear Glycine Peptides. European Journal of Inorganic Chemistry, 2017, 2017, 198-211.	2.0	16
30	Going through the wine fining: Intimate dialogue between organics and clays. Colloids and Surfaces B: Biointerfaces, 2018, 166, 79-88.	5.0	16
31	One Step up the Ladder of Prebiotic Complexity: Formation of Nonrandom Linear Polypeptides from Binary Systems of Amino Acids on Silica. Chemistry - A European Journal, 2019, 25, 1275-1285.	3.3	16
32	Thermal Behavior of <scp>d</scp>â€Ribose Adsorbed on Silica: Effect of Inorganic Salt Coadsorption and Significance for Prebiotic Chemistry. Chemistry - A European Journal, 2016, 22, 15834-15846.	3.3	15
33	When RNA meets montmorillonite: Influence of the pH and divalent cations. Applied Clay Science, 2021, 214, 106234.	5.2	15
34	Human Erythrocytes Covered with Magnetic Coreâ€“Shell Nanoparticles for Multimodal Imaging. Advanced Healthcare Materials, 2013, 2, 1209-1212.	7.6	13
35	Non-biological selectivity in amino acids polymerization on TiO2 nanoparticles. Amino Acids, 2013, 45, 403-406.	2.7	12
36	Dimerization of Uracil in a Simulated Mars-like UV Radiation Environment. Astrobiology, 2020, 20, 1363-1376.	3.0	7

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37	Confinement and Time Immemorial: Prebiotic Synthesis of Nucleotides on a Porous Mineral Nanoreactor. Journal of Physical Chemistry Letters, 2019, 10, 4192-4196.	4.6	6
38	Deadlocks of adenine ribonucleotides synthesis: Evaluation of adsorption and condensation reactions into a zeolite micropore space. Inorganic Chemistry Frontiers, 0, , .	6.0	0