

Thomas Georgelin

List of Publications by Year in descending order

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38
papers

1,144
citations

304743

22
h-index

395702

33
g-index

39
all docs

39
docs citations

39
times ranked

1577
citing authors

#	ARTICLE	IF	CITATIONS
1	Equilibrium and non-equilibrium furanose selection in the ribose isomerisation network. <i>Nature Communications</i> , 2021, 12, 2749.	12.8	17
2	When RNA meets montmorillonite: Influence of the pH and divalent cations. <i>Applied Clay Science</i> , 2021, 214, 106234.	5.2	15
3	Dimerization of Uracil in a Simulated Mars-like UV Radiation Environment. <i>Astrobiology</i> , 2020, 20, 1363-1376.	3.0	7
4	Confinement and Time Immemorial: Prebiotic Synthesis of Nucleotides on a Porous Mineral Nanoreactor. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 4192-4196.	4.6	6
5	Microwave bentonite silylation for dye removal: Influence of the solvent. <i>Applied Clay Science</i> , 2019, 168, 478-487.	5.2	27
6	One Step up the Ladder of Prebiotic Complexity: Formation of Nonrandom Linear Polypeptides from Binary Systems of Amino Acids on Silica. <i>Chemistry - A European Journal</i> , 2019, 25, 1275-1285.	3.3	16
7	Going through the wine fining: Intimate dialogue between organics and clays. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 166, 79-88.	5.0	16
8	Cyanobacterial formation of intracellular Ca ²⁺ carbonates in undersaturated solutions. <i>Geobiology</i> , 2018, 16, 49-61.	2.4	42
9	Potential Role of Inorganic Confined Environments in Prebiotic Phosphorylation. <i>Life</i> , 2018, 8, 7.	2.4	25
10	Synthesis of RNA Nucleotides in Plausible Prebiotic Conditions from ab Initio Computer Simulations. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4981-4987.	4.6	22
11	Phosphoribosyl Pyrophosphate: A Molecular Vestige of the Origin of Life on Minerals. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7920-7923.	13.8	37
12	Phosphoribosyl Pyrophosphate: A Molecular Vestige of the Origin of Life on Minerals. <i>Angewandte Chemie</i> , 2017, 129, 8028-8031.	2.0	16
13	Cysteine-montmorillonite composites for heavy metal cation complexation: A combined experimental and theoretical study. <i>Chemical Engineering Journal</i> , 2017, 314, 406-417.	12.7	68
14	Proton irradiation: a key to the challenge of N-glycosidic bond formation in a prebiotic context. <i>Scientific Reports</i> , 2017, 7, 14709.	3.3	35
15	Iron(III) Oxide Nanoparticles as Catalysts for the Formation of Linear Glycine Peptides. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 198-211.	2.0	16
16	Selective Uptake of Alkaline Earth Metals by Cyanobacteria Forming Intracellular Carbonates. <i>Environmental Science & Technology</i> , 2016, 50, 11654-11662.	10.0	47
17	Thermal Behavior of α -Ribose Adsorbed on Silica: Effect of Inorganic Salt Coadsorption and Significance for Prebiotic Chemistry. <i>Chemistry - A European Journal</i> , 2016, 22, 15834-15846.	3.3	15
18	Enhancing the magnetic anisotropy of maghemite nanoparticles via the surface coordination of molecular complexes. <i>Nature Communications</i> , 2015, 6, 10139.	12.8	39

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19	In vitro synthesis of amorphous Mg-, Ca-, Sr- and Ba-carbonates: What do we learn about intracellular calcification by cyanobacteria?. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 161, 36-49.	3.9	44
20	Effect of Nontronite Smectite Clay on the Chemical Evolution of Several Organic Molecules under Simulated Martian Surface Ultraviolet Radiation Conditions. <i>Astrobiology</i> , 2015, 15, 221-237.	3.0	49
21	Stabilization of ribofuranose by a mineral surface. <i>Carbohydrate Research</i> , 2015, 402, 241-244.	2.3	21
22	Selectivities in Adsorption and Peptidic Condensation in the (Arginine and Glutamic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (Acid)	3.1	60
23	Formation of Activated Biomolecules by Condensation on Mineral Surfaces â€“ A Comparison of Peptide Bond Formation and Phosphate Condensation. <i>Origins of Life and Evolution of Biospheres</i> , 2013, 43, 429-443.	1.9	35
24	Non-biological selectivity in amino acids polymerization on TiO2 nanoparticles. <i>Amino Acids</i> , 2013, 45, 403-406.	2.7	12
25	Inorganic Phosphate and Nucleotides on Silica Surface: Condensation, Dismutation, and Phosphorylation. <i>Journal of Physical Chemistry C</i> , 2013, 117, 12579-12590.	3.1	36
26	A comparative study of the catalysis of peptide bond formation by oxide surfaces. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 13371.	2.8	55
27	Human Erythrocytes Covered with Magnetic Coreâ€“Shell Nanoparticles for Multimodal Imaging. <i>Advanced Healthcare Materials</i> , 2013, 2, 1209-1212.	7.6	13
28	Magnetic core shell nanoparticles trapping in a microdevice generating high magnetic gradient. <i>Lab on A Chip</i> , 2011, 11, 833.	6.0	29
29	Kinetic analyses and performance of a colloidal magnetic nanoparticle based immunoassay dedicated to allergy diagnosis. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 3395-3407.	3.7	18
30	Design of multifunctionalized $\hat{1}^3$ -Fe2O3@SiO2 coreâ€“shell nanoparticles for enzymes immobilization. <i>Journal of Nanoparticle Research</i> , 2010, 12, 675-680.	1.9	37
31	Nanoparticleâ€“Mediated Delivery of Bleomycin. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 8897-8901.	13.8	40
32	Interactions Between Giant Unilamellar Vesicles and Charged Coreâ€“Shell Magnetic Nanoparticles. <i>Langmuir</i> , 2010, 26, 16025-16030.	3.5	63
33	A chemometric approach for optimizing protein covalent immobilization on magnetic coreâ€“shell nanoparticles in view of an alternative immunoassay. <i>Talanta</i> , 2010, 81, 1703-1710.	5.5	23
34	Chargeâ€“based characterization of nanometric cationic bifunctional maghemite/silica core/shell particles by capillary zone electrophoresis. <i>Electrophoresis</i> , 2009, 30, 2572-2582.	2.4	46
35	Synthesis and characterization of functionalized coreâ€“shell $\hat{1}^3$ Fe2O3â€“SiO2 nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 1408-1413.	2.3	44
36	Functionalization of $\hat{1}^3$ -Fe2O3 nanoparticles through the grafting of an organophosphorous ligand. <i>Sensors and Actuators B: Chemical</i> , 2008, 134, 451-454.	7.8	18

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37	Haptotropic Rearrangements in Sandwich (Fluorenyl)(Cyclopentadienyl) Iron and Ruthenium Complexes. <i>Organometallics</i> , 2008, 27, 387-393.	2.3	33
38	Deadlocks of adenine ribonucleotides synthesis: Evaluation of adsorption and condensation reactions into a zeolite micropore space. <i>Inorganic Chemistry Frontiers</i> , 0, , .	6.0	0