StÃ©phan Rouziere

List of Publications by Year
in descending order

45	1,058	430874	434195
papers	citations	18 h-index	31 g-index

45	45	45	1426
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Water in Carbon Nanotubes: The Peculiar Hydrogen Bond Network Revealed by Infrared Spectroscopy. Journal of the American Chemical Society, 2016, 138, 10437-10443.	13.7	126
2	A liquid-crystalline hexagonal columnar phase in highly-dilute suspensions of imogolite nanotubes. Nature Communications, 2016, 7, 10271.	12.8	105
3	High Zn content of Randall's plaque: A Î¼-X-ray fluorescence investigation. Journal of Trace Elements in Medicine and Biology, 2011, 25, 160-165.	3.0	60
4	Hybrid, Tunable-Diameter, Metal Oxide Nanotubes for Trapping of Organic Molecules. Chemistry of Materials, 2015, 27, 1488-1494.	6.7	56
5	The status of strontium in biological apatites: anÂXANES/EXAFS investigation. Journal of Synchrotron Radiation, 2014, 21, 136-142.	2.4	43
6	Comparative Physicochemical Analysis of Pulp Stone and Dentin. Journal of Endodontics, 2016, 42, 432-438.	3.1	39
7	Molecular-Scale Understanding of the Embrittlement in Polyethylene Ocean Debris. Environmental Science & Technology, 2020, 54, 11173-11181.	10.0	39
8	X-ray Scattering Determination of the Structure of Water during Carbon Nanotube Filling. Nano Letters, 2013, 13, 1751-1756.	9.1	35
9	Hexagonalization of Aluminogermanate Imogolite Nanotubes Organized into Closed-Packed Bundles. Journal of Physical Chemistry C, 2014, 118, 9299-9306.	3.1	35
10	Combining Î¼X-ray fluorescence, Î¼XANES and Î¼XRD to shed light on Zn2+ cations in cartilage and meniscus calcifications. Journal of Trace Elements in Medicine and Biology, 2013, 27, 326-333.	3.0	34
11	Probing magnetic interactions in columnar phases of a paramagnetic gold dithiolene complex. Journal of Materials Chemistry, 2011, 21, 1416-1422.	6.7	33
12	Structural resolution of inorganic nanotubes with complex stoichiometry. Nature Communications, 2018, 9, 2033.	12.8	33
13	Is the pearl layer a reversed shell? A re-examination of the theory of pearl formation through physical characterizations of pearl and shell developmental stages inPinctada margaritifera. Aquatic Living Resources, 2011, 24, 411-424.	1.2	29
14	Foams Stabilized by Surfactant Precipitates: Criteria for Ultrastability. Langmuir, 2017, 33, 7305-7311.	3.5	29
15	MOMAC: a SAXS/WAXS laboratory instrument dedicated to nanomaterials. Journal of Applied Crystallography, 2016, 49, 1624-1631.	4.5	26
16	In-lab X-ray fluorescence and diffraction techniques for pathological calcifications. Comptes Rendus Chimie, 2016, 19, 1404-1415.	0.5	22
17	Effect of Ionic Strength on the Bundling of Metal Oxide Imogolite Nanotubes. Journal of Physical Chemistry C, 2017, 121, 21740-21749.	3.1	21
18	Colloidal Stability of Imogolite Nanotube Dispersions: A Phase Diagram Study. Langmuir, 2019, 35, 12451-12459.	3.5	20

#	Article	IF	Citations
19	Localization and characterization of thyroid microcalcifications: A histopathological study. PLoS ONE, 2019, 14, e0224138.	2.5	19
20	Rapid and reliable diagnosis of Wilson disease using Xâ€ray fluorescence. Journal of Pathology: Clinical Research, 2016, 2, 175-186.	3.0	18
21	Role of initial precursors on the liquid-crystalline phase behavior of synthetic aluminogermanate imogolite nanotubes. Journal of Colloid and Interface Science, 2020, 580, 275-285.	9.4	18
22	Solid wetting-layers in inorganic nano-reactors: the water in imogolite nanotube case. Nanoscale Advances, 2020, 2, 1869-1877.	4.6	17
23	Inorganic Nanotube Mesophases Enable Strong Self-Healing Fibers. ACS Nano, 2020, 14, 5570-5580.	14.6	17
24	In situ time resolved wide angle X-ray diffraction study of nanotube carpet growth: Nature of catalyst particles and progressive nanotube alignment. Carbon, 2015, 87, 246-256.	10.3	16
25	Growth of aligned multiâ€walled carbon nanotubes: First in situ and timeâ€resolved Xâ€ray diffraction analysis. Physica Status Solidi (B): Basic Research, 2011, 248, 2449-2453.	1.5	15
26	How to assess the role of Pt and Zn in the nephrotoxicity of Pt anti-cancer drugs? An investigation combining Î¼XRF and statistical analysis: Part I: On mice. Comptes Rendus Chimie, 2016, 19, 1580-1585.	0.5	14
27	How to assess the role of Pt and Zn in the nephrotoxicity of Pt anti-cancer drugs?: An investigation combining Î¼XRF and statistical analysis. Part II: Clinical application. Comptes Rendus Chimie, 2016, 19, 1586-1589.	0.5	13
28	FAM20A Gene Mutation: Amelogenesis or Ectopic Mineralization?. Frontiers in Physiology, 2017, 8, 267.	2.8	13
29	Structural elucidation of silica present in kidney stones coming from Burkina Faso. Comptes Rendus Chimie, 2016, 19, 1573-1579.	0.5	12
30	Physicochemical analysis of human pulpal mineralization secondary to FAM20A mutations. Connective Tissue Research, 2018, 59, 46-51.	2.3	12
31	Conductive graphene coatings synthesized from graphenide solutions. Carbon, 2017, 121, 217-225.	10.3	11
32	Unravelling the hydration mechanism in a multi-layered graphene oxide paper by in-situ X-ray scattering. Carbon, 2018, 137, 379-383.	10.3	10
33	Pathologies related to abnormal deposits in dermatology: a physico-chemical approach. Comptes Rendus Chimie, 2022, 25, 445-476.	0.5	10
34	Progressive melting in confined one-dimensional C<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>60</mml:mn></mml:msub></mml:math>chains. Physical Review B, 2012, 86, .	3.2	8
35	Anomalous thermal expansion ofÎ³-iron nanocrystals inside multiwalled carbon nanotubes. Physical Review B, 2013, 88, .	3.2	7
36	Structure in nascent carbon nanotubes revealed by spatially resolved Raman spectroscopy. Thin Solid Films, 2014, 568, 102-110.	1.8	7

#	Article	IF	Citations
37	Mineral studies in enamel, an exemplary model system at the interface between physics, chemistry and medical sciences. Comptes Rendus Chimie, 2016, 19, 1656-1664.	0.5	6
38	Intercalated water in multi-layered graphene oxide paper: an X-ray scattering study. Journal of Applied Crystallography, 2017, 50, 876-884.	4.5	6
39	Calcified Leg Ulcers in Older Patients: Clinical Description, Morphology, and Chemical Characterization. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2021, , .	3.6	6
40	The crucial contribution of X-ray fluorescence spectroscopy in medicine. Comptes Rendus Chimie, 2022, 25, 165-188.	0.5	6
41	Mechanisms of Structural Reordering During Thermal Transformation of Aluminogermanate Imogolite Nanotubes. Journal of Physical Chemistry C, 2021, 125, 12414-12423.	3.1	5
42	Nonâ€spherical pearl layers in the Polynesian â€˜blackâ€lippedâ€™ Pinctada margaritifera : The nonâ€nacreous deposits compared to microstructure of the shell growing edge. Aquaculture Research, 2020, 51, 506-522.	1.8	4
43	Heterogenization of Complexes by Encapsulation in Solid Micelles for Aqueous-Phase Catalysis. Chemistry of Materials, 0, , .	6.7	3
44	A comprehensive analysis of the structure of imogolite nanotubes. Acta Crystallographica Section A: Foundations and Advances, 2015, 71, s58-s59.	0.1	0
45	De la simple hÃ©lice aux nanostructures tubulaires. , 2015, , 34-38.	0.1	0