

# Fabrice Om Gaslain

## List of Publications by Year in descending order

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35  
papers

544  
citations

758635

12  
h-index

642321

23  
g-index

37  
all docs

37  
docs citations

37  
times ranked

812  
citing authors

#	ARTICLE	IF	CITATIONS
1	First zeolite carbon replica with a well resolved X-ray diffraction pattern. Chemical Communications, 2006, , 991.	2.2	92
2	Factors affecting the reactivity of thiol-functionalized mesoporous silica adsorbents toward mercury(II). Talanta, 2009, 79, 877-886.	2.9	72
3	One-step preparation of thiol-modified mesoporous silica spheres with various functionalization levels and different pore structures. Journal of Sol-Gel Science and Technology, 2009, 49, 112-124.	1.1	40
4	Synthesis, structure and magnetic characterisation of a new layered ammonium manganese(ii) diphosphate hydrate, (NH <sub>4</sub> ) <sub>2</sub> [Mn <sub>3</sub> (P <sub>2</sub> O <sub>7</sub> ) <sub>2</sub> (H <sub>2</sub> O) <sub>2</sub> ]Electronic supplementary information (ESI) available: powder XRD data, atomic coordinates and thermal parameters, IR data, bond valence calculations, TGA. See <a href="http://www.rsc.org/suppdata/jm/b3/b304003h/">http://www.rsc.org/suppdata/jm/b3/b304003h/</a> . Journal of Materials Chemistry, 2003, 13, 1950.	6.7	32
5	Title is missing!. Journal of Materials Chemistry, 2001, 11, 3172-3179.	6.7	27
6	Effect of the zeolite crystal size on the structure and properties of carbon replicas made by a nanocasting process. Carbon, 2009, 47, 1066-1073.	5.4	26
7	Structure and Sorption Properties of a Zeolite-Templated Carbon with the EMT Structure Type. Langmuir, 2014, 30, 297-307.	1.6	24
8	Revisiting the identification of commercial and historical green earth pigments. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 584, 124035.	2.3	22
9	Modulating the structure of organofunctionalized hydroxyapatite/tripolyphosphate/chitosan spheres for dye removal. Journal of Environmental Chemical Engineering, 2020, 8, 103980.	3.3	19
10	Rapid synthesis of hybrid fluorides by microwave heating. Journal of Fluorine Chemistry, 2000, 101, 161-163.	0.9	16
11	Synthesis of dithiocarbamate-functionalized mesoporous silica-based materials: interest of one-step grafting. New Journal of Chemistry, 2009, 33, 528-537.	1.4	15
12	Melanin Polymerization Held in Check: A Composite of Dihydroxyphenylalanine with Zeolite Beta. Journal of Physical Chemistry C, 2015, 119, 8736-8747.	1.5	13
13	On the effect of a thermal treatment on the tensile and fatigue properties of weak zones of similar Ti17 linear friction welded joints and parent material. Materials Characterization, 2020, 169, 110570.	1.9	13
14	Direct grafting of ethylene sulfide onto silicic acid magadiite. Microporous and Mesoporous Materials, 2014, 196, 292-299.	2.2	12
15	Multiscale Experimental and Numerical Approach to the Powder Particle Shape Effect on Al-Al <sub>2</sub> O <sub>3</sub> Coating Build-Up. Journal of Thermal Spray Technology, 2017, 26, 1445-1460.	1.6	11
16	Organically Modified Ordered Mesoporous Siliceous Solids. , 2009, , 283-308.		10
17	TEM investigations on the effect of chromium content and of stress relief treatment on precipitation in Alloy 82. Journal of Nuclear Materials, 2013, 442, 262-269.	1.3	10
18	Intergranular Oxidation of Nickel-Base Alloys: Potentialities of Focused Ion Beam Tomography. Oxidation of Metals, 2017, 88, 447-457.	1.0	10

#	ARTICLE	IF	CITATIONS
19	Investigation of nanoscale strains at the austenitic stainless steel 316L surface: Coupling between nanogauges gratings and EBSD technique during in situ tensile test. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 740-741, 315-335.	2.6	10
20	Hydrogel-Tissue Adhesion Using Blood Coagulation Induced by Silica Nanoparticle Coatings. <i>ACS Applied Bio Materials</i> , 2020, 3, 8808-8819.	2.3	10
21	Rapid and Direct Synthesis of Spherical Organotalc. <i>Clays and Clay Minerals</i> , 2009, 57, 35-39.	0.6	9
22	Synthesis and crystal structure of a 3-D zinc phosphate, [C5N2H14][Zn2(PO3(OH))3], containing (4.8) net sheets. <i>Comptes Rendus Chimie</i> , 2005, 8, 521-529.	0.2	7
23	Rumpling of nickel aluminide coatings: a reassessment of respective influence of thermal grown oxide and phase transformations. <i>Materials at High Temperatures</i> , 2016, 33, 318-324.	0.5	7
24	Confinement and Time Immemorial: Prebiotic Synthesis of Nucleotides on a Porous Mineral Nanoreactor. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 4192-4196.	2.1	6
25	Control of framework stoichiometry in MeGaPO laumontites using 1-methylimidazole as structure-directing agent. <i>Microporous and Mesoporous Materials</i> , 2008, 112, 368-376.	2.2	5
26	Red 33 dye co-encapsulated with cetyltrimethylammonium in mesoporous silica materials. <i>Dyes and Pigments</i> , 2016, 127, 1-8.	2.0	5
27	Study of mercury(II) binding to thiol-modified ordered mesoporous silicas by analytical and electrochemical analyses: influence of the pore structure and the functionalization process. <i>Studies in Surface Science and Catalysis</i> , 2007, 165, 417-420.	1.5	4
28	Experimental and thermodynamic analysis of differences in phase transformation of Pt-modified nickel aluminide coating during isothermal and cyclic oxidation. <i>Surface and Coatings Technology</i> , 2016, 307, 915-925.	2.2	4
29	Local microstructural characterization of an aged UR45N rolled steel: Application of the nanogauges grating coupled EBSD technique. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 759, 537-551.	2.6	4
30	Principal image decomposition for multi-detector backscatter electron topography reconstruction. <i>Ultramicroscopy</i> , 2021, 227, 113200.	0.8	3
31	The role of intergranular chromium carbides on intergranular oxidation of nickel based alloys in pressurized water reactors primary water. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016, 109, 012004.	0.3	2
32	<i>catena</i> -Poly[bis(ethane-1,2-diammonium) [manganese(II)-di-1/4-phosphato-1 <sup>+</sup> 4 <sup>-</sup> ]]: a one-dimensional manganese phosphate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2007, 63, m537-m540.	0.4	1
33	Three-Dimensional Characterization of Cracks in a Columnar Thermal Barrier Coating System for Gas Turbine Applications. <i>Integrating Materials and Manufacturing Innovation</i> , 2019, 8, 400-412.	1.2	1
34	Morphological and Chemical Characterization of Laser Treated Surface on Copper. <i>Key Engineering Materials</i> , 2019, 813, 254-260.	0.4	1
35	2D characterization at submicron scale of crack propagation of 17-4PH parts produced by Atomic Diffusion Additive Manufacturing (ADAM) process. <i>Procedia Structural Integrity</i> , 2021, 34, 13-19.	0.3	1