Pierre Gibot

List of Publications by Year in descending order

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45 papers	2,012 citations	471509 17 h-index	265206 42 g-index
47 all docs	47 docs citations	47 times ranked	2803 citing authors

#	Article	IF	Citations
1	Room-temperature single-phase LiÂinsertion/extraction in nanoscale LixFePO4. Nature Materials, 2008, 7, 741-747.	27.5	639
2	Study of the LiFePO4/FePO4 Two-Phase System by High-Resolution Electron Energy Loss Spectroscopy. Chemistry of Materials, 2006, 18, 5520-5529.	6.7	475
3	The effects of moderate thermal treatments under air on LiFePO4-based nano powders. Journal of Materials Chemistry, 2009, 19, 3979.	6.7	106
4	High resolution electron energy loss spectroscopy of manganese oxides: Application to Mn3O4 nanoparticles. Materials Characterization, 2010, 61, 1268-1273.	4.4	100
5	Original synthesis of chromium (III) oxide nanoparticles. Journal of the European Ceramic Society, 2010, 30, 911-915.	5.7	84
6	New carbons with controlled nanoporosity obtained by nanocasting using a SBA-15 mesoporous silica host matrix and different preparation routes. Journal of Physics and Chemistry of Solids, 2004, 65, 139-146.	4.0	76
7	The synthesis of SiC and TiC protective coatings for carbon fibers by the reactive replica process. Journal of the European Ceramic Society, 2008, 28, 2265-2274.	5.7	53
8	Formation of tubular silicon carbide from a carbonâ€“silica material by using a reactive replica technique: infra-red characterisation. Applied Surface Science, 2003, 210, 329-337.	6.1	48
9	Hydrophilic and hydrophobic nano-sized Mn3O4 particles. Journal of Solid State Chemistry, 2007, 180, 695-701.	2.9	45
10	Enhancement of the graphitic carbon nitride surface properties from calcium salts as templates. Microporous and Mesoporous Materials, 2016, 219, 42-47.	4.4	43
11	(Co,Fe)Pt nanoparticles by aqueous route; self-assembling, thermal and magnetic properties. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 555-558.	2.3	33
12	Modulation of the Reactivity of a WO₃/Al Energetic Material with Graphitized Carbon Black as Additive. Journal of Energetic Materials, 2015, 33, 260-276.	2.0	33
13	Safer and Performing Energetic Materials Based on Polyaniline-Doped Nanocomposites. Journal of Energetic Materials, 2017, 35, 136-147.	2.0	25
14	Study of the structural evolutions of mesoporous MCM-48 silica infiltrated with carbon by different techniques. Microporous and Mesoporous Materials, 2003, 62, 87-96.	4.4	22
15	Preparation of explosive nanoparticles in a porous chromium(III) oxide matrix: a first attempt to control the reactivity of explosives. Nanotechnology, 2008, 19, 285716.	2.6	21
16	Synthesis of WO3 nanoparticles for superthermites by the template method from silica spheres. Solid State Sciences, 2011, 13, 908-914.	3.2	21
17	Optical limiting properties of templated Cr2O3 and WO3 nanoparticles. Optical Materials, 2019, 95, 109220.	3.6	16
18	Formation of HxN-rich graphitic carbon nitride network from guanidine carbonate salt by pyrolysis. Diamond and Related Materials, 2015, 59, 7-12.	3.9	15

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19	TiO2 and [TiO2/Î²-SiC] microtubes prepared from an original process. Journal of the European Ceramic Society, 2007, 27, 2195-2201.	5.7	13
20	Ca3(PO4)2 biomaterial: A non toxic template to prepare highly porous Cr2O3. Materials Letters, 2015, 161, 172-174.	2.6	13
21	Spark sensitivity and light signature mitigation of an Al/SnO2 nanothermite by the controlled addition of a conductive polymer. Chemical Engineering Journal, 2022, 427, 131611.	12.7	13
22	Mechanical Desensitization of an Al/WO3 Nanothermite by Means of Carbonaceous Coatings Derived from Carbohydrates. Journal of Carbon Research, 2019, 5, 37.	2.7	9
23	Centimetric-Sized Chromium (III) Oxide Object Synthesized by Means of the Carbon Template Replication. Ceramics, 2020, 3, 92-100.	2.6	9
24	SnO₂â€“polyaniline composites for the desensitization of Al/SnO₂ thermite composites. Journal of Applied Polymer Science, 2020, 137, 48947.	2.6	9
25	Templated synthesis of Cr2O3 material for energetic composites with high performance. Solid State Sciences, 2019, 94, 162-167.	3.2	8
26	Aluminium/tin (IV) oxide thermite composite: sensitivities and reaction propagation. Journal of Energetic Materials, 2020, 38, 295-308.	2.0	8
27	Nanosized niobium (V) and tantalum (V) oxide ceramics as competitive oxidizers within aluminium-based nanothermites. Energetic Materials Frontiers, 2021, 2, 167-173.	3.2	8
28	Polypyrrole material for the electrostatic discharge sensitivity mitigation of Al/SnO₂ energetic composites. Journal of Applied Polymer Science, 2021, 138, 50752.	2.6	7
29	Porous WS 2 and W 2 N powders by hard templating with colloidal silica. Ceramics International, 2017, 43, 1443-1448.	4.8	6
30	Highly Insensitive/Reactive Thermite Prepared from Cr₂O₃ Nanoparticles. Propellants, Explosives, Pyrotechnics, 2011, 36, 80-87.	1.6	5
31	Zirconia nanopowder synthesis via detonation of trinitrotoluene. Ceramics International, 2020, 46, 27057-27062.	4.8	5
32	Study on Indium (III) Oxide/Aluminum Thermite Energetic Composites. Journal of Composites Science, 2021, 5, 166.	3.0	5
33	Characterisation of ordered mesoporous carbons and their MCM-48 silica templates obtained by the replication technique using different carbon infiltration processes. Studies in Surface Science and Catalysis, 2003, 146, 41-44.	1.5	3
34	Synthesis of Nb2O5 and Ta2O5 nanopowders by means of an endo-templating method. Ceramics International, 2017, 43, 16451-16456.	4.8	3
35	Tuning physical surface properties of tin dioxide nanopowders using zinc oxide as template. Solid State Sciences, 2018, 82, 13-18.	3.2	3
36	Nanostructuring of carbon materials by means of a calcium phosphate template. Journal of Porous Materials, 2019, 26, 747-754.	2.6	3

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37	Detonation synthesis of ZrO2 by means of an ammonium nitrate-based explosive emulsion. Solid State Sciences, 2020, 108, 106405.	3.2	3
38	P₂O₅ DOPANT IN PbO-PbCl₂-CdCl₂ GLASSES. Phosphorus Research Bulletin, 1999, 10, 570-575.	0.6	2
39	Effect of spray drying treatment on the optical properties of Mgâ€“Al spinel ceramics. Open Ceramics, 2021, 6, 100102.	2.0	2
40	Miniaturization of micrometric SiC from a detonation process of highly energetic material. Powder Technology, 2011, 208, 324-328.	4.2	1
41	Spark Desensitization of Nanothermites via the Addition of Highly Electro-Conductive Carbon Particles. Journal of Carbon Research, 2022, 8, 35.	2.7	1
42	Effects of Moderate Thermal Treatments under Air on LiFePO4-based Nano Powders. ECS Meeting Abstracts, 2009, , .	0.0	0
43	Cover Image, Volume 138, Issue 29. Journal of Applied Polymer Science, 2021, 138, 50919.	2.6	0
44	Synthesis of Oxide Ceramics in Detonating Atmosphere. Ceramics, 2021, 4, 249-256.	2.6	0
45	Conductive Oxides for Formulating Mitigated-Sensitivity Energetic Composite Materials. Journal of Composites Science, 2022, 6, 174.	3.0	0