Patrice Melinon

List of Publications by Year in Descending Order

36 papers	1,683 citations	15 h-index	38 g-index
38 ext. papers	1,780 ext. citations	5.9 avg, IF	3.94 L-index

#	Paper	IF	Citations
36	Vitreous Carbon, Geometry and Topology: A Hollistic Approach. *Nanomaterials*, **2021**, 11,	5.4	3
35	Revisiting thin film of glassy carbon. *Physical Review Materials*, **2020**, 4,	3.2	3
34	Metastable States in Pressurized Bulk and Mesoporous Germanium. *Journal of Physical Chemistry C*, **2018**, 122, 10929-10938	3.8	5
33	Nonisotropic Self-Assembly of Nanoparticles: From Compact Packing to Functional Aggregates. *Advanced Materials*, **2018**, 30, e1706558	24	31
32	Predicting the Primitive Form of Rhombohedral Silicon Carbide (9R-SiC): A Pathway toward Polytypic Heterojunctions. *Crystal Growth and Design*, **2018**, 18, 7059-7064	3.5	4
31	Is Graphitic Silicon Carbide (Silagraphene) Stable?. *Chemistry of Materials*, **2018**, 30, 7234-7244	9.6	13
30	Pressure-Induced Sublattice Disordering in SnO_{2}: Invasive Selective Percolation. *Physical Review Letters*, **2018**, 120, 265702	7.4	7
29	Pressure-Induced Disordering in SnO2 Nanoparticles. *Journal of Physical Chemistry C*, **2017**, 121, 15463-15471	3.8	15
28	ZnO Nanostructures for Mid-IR Plasmonics **2016**, 1166-1167		
27	Carrier-induced ferromagnetism in the insulating Mn-doped III-V semiconductor InP. *Physical Review B*, **2016**, 94,	3.3	4
26	Size-dependent pressure-induced amorphization: a thermodynamic panorama. *Physical Chemistry Chemical Physics*, **2015**, 17, 903-10	3.6	14
25	Thermodynamics of nanoparticles: experimental protocol based on a comprehensive Ginzburg-Landau interpretation. *Nano Letters*, **2014**, 14, 269-76	11.5	14
24	Engineered inorganic core/shell nanoparticles. *Physics Reports*, **2014**, 543, 163-197	27.7	80
23	Oriented Attachment of ZnO Nanocrystals. *Journal of Physical Chemistry C*, **2013**, 117, 10220-10227	3.8	32
22	Tunable synthesis and in situ growth of silicon-carbon mesostructures using impermeable plasma. *Scientific Reports*, **2013**, 3, 1083	4.9	5
21	Spontaneous formation of size-selected bimetallic nanoparticle arrays. *Surface Science*, **2012**, 606, 110-114	1.8	15
20	EFFICIENT ULTRAVIOLET LIGHT FREQUENCY DOWN-SHIFTING BY A THIN FILM OF ZnO NANOPARTICLES. *International Journal of Nanoscience*, **2012**, 11, 1240022	0.6	9

19	Interface Energy Impact on Phase Transitions: The Case of TiO2 Nanoparticles. *Journal of Physical Chemistry C*, **2011**, 115, 22286-22291	3.8	27
18	Alloying Effect in CoPt Nanoparticles Probed by X-ray Photoemission Spectroscopy: Validity of the Bulk Phase Diagram. *Journal of Physical Chemistry C*, **2010**, 114, 13168-13175	3.8	13
17	Cage-Like Based Materials with Carbon and Silicon. *ECS Transactions*, **2008**, 13, 101-107	1	0
16	Effect of the quantum confinement on the luminescent properties of sesquioxydes. *Journal of Luminescence*, **2007**, 122-123, 756-758	3.8	11
15	Playing with carbon and silicon at the nanoscale. *Nature Materials*, **2007**, 6, 479-90	27	229
14	Mutual orientation of two C60 molecules: an ab initio study. *Journal of Chemical Physics*, **2005**, 122, 094315	3.5	33
13	Exceptional ideal strength of carbon clathrates. *Physical Review Letters*, **2004**, 92, 215505	7.4	90
12	Covalent clusters-based materials. *Comptes Rendus Physique*, **2002**, 3, 273-288	1.4	8
11	Magnetic anisotropy of a single cobalt nanocluster. *Physical Review Letters*, **2001**, 86, 4676-9	7.4	352
10	Photolysis experiments on SiC mixed clusters: From silicon carbide clusters to silicon-doped fullerenes. *Journal of Chemical Physics*, **1999**, 110, 6927-6938	3.9	97
9	Cluster assembled materials: a novel class of nanostructured solids with original structures and properties. *Journal Physics D: Applied Physics*, **1997**, 30, 709-721	3	266
8	Diamondlike carbon films obtained by low energy cluster beam deposition: Evidence of a memory effect of the properties of free carbon clusters. *Physical Review Letters*, **1993**, 71, 4170-4173	7.4	121
7	Direct observation of the infinite percolation cluster in thin films: Evidence for a double percolation process. *Physical Review B*, **1993**, 47, 5008-5012	3.3	11
6	Low energy cluster beam deposition: a way to new materials?. *Nuclear Instruments & Methods in Physics Research B*, **1993**, 79, 219-222	1.2	6
5	Study of the crystallization of antimony thin films by transmission electron microscopy observations and electrical measurements. *Thin Solid Films*, **1992**, 209, 161-164	2.2	17
4	Experimental achievement of 2D percolation and cluster-cluster aggregation models by cluster deposition. *Physica A: Statistical Mechanics and Its Applications*, **1992**, 185, 104-110	3.3	12
3	Cluster-beam deposition of thin metallic antimony films: Cluster-size and deposition-rate effects. *Physical Review B*, **1991**, 44, 3926-3933	3.3	75
2	Continuous amorphous antimony thin films obtained by low-energy cluster beam deposition. *Applied Physics Letters*, **1991**, 59, 1421-1423	3.4	23

1 Comparison of molecular and cluster deposition: Evidence of different percolation processes. *Physical Review B*, **1991**, 44, 12562-12564 3.3 38