Pascale Launois

List of Publications by Year in Descending Order

97 papers	2,889 citations	30 h-index	51 g-index
99 ext. papers	3,055 ext. citations	5.4 avg, IF	4.61 L-index

#	Paper	IF	Citations
97	Continuous Binder-Free Fibers of Pure Imogolite Nanotubes. *ACS Applied Materials & Interfaces* , **2021**, 13, 17940-17947	9.5	
96	Doping Liquid Crystals of Colloidal Inorganic Nanotubes by Additive-Free Metal Nanoparticles. *Journal of Physical Chemistry Letters*, **2021**, 12, 5052-5058	6.4	1
95	Role of cations on the dissolution mechanism of kaolinite in high alkaline media. *Applied Clay Science*, **2021**, 205, 106037	5.2	2
94	Mechanisms of Structural Reordering During Thermal Transformation of Aluminogermanate Imogolite Nanotubes. *Journal of Physical Chemistry C*, **2021**, 125, 12414-12423	3.8	3
93	Solid wetting-layers in inorganic nano-reactors: the water in imogolite nanotube case. *Nanoscale Advances*, **2020**, 2, 1869-1877	5.1	11
92	Inorganic Nanotube Mesophases Enable Strong Self-Healing Fibers. *ACS Nano*, **2020**, 14, 5570-5580	16.7	13
91	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	9.3	10
90	Influence of the Al/Ge Ratio on the Structure and Self-Organization of Anisometric Imogolite Nanotubes. *Crystals*, **2020**, 10, 1094	2.3	3
89	Colloidal Stability of Imogolite Nanotube Dispersions: A Phase Diagram Study. *Langmuir*, **2019**, 35, 12451-12459		14
88	Nanomaterials From Imogolite: Structure, Properties, and Functional Materials **2019**, 257-284		7
87	A general orientation distribution function for clay-rich media. *Nature Communications*, **2019**, 10, 5456	17.4	7
86	Structural resolution of inorganic nanotubes with complex stoichiometry. *Nature Communications*, **2018**, 9, 2033	17.4	22
85	Unravelling the hydration mechanism in a multi-layered graphene oxide paper by in-situ X-ray scattering. *Carbon*, **2018**, 137, 379-383	10.4	6
84	Graphene oxide-carbon nanotube hybrid assemblies: cooperatively strengthened OH□□O 000000000000000000000000000000000 000000000000000000000000000000000 000000000000000000000000000000000 000000000000000000000000000000000 000000000000000000000000000000000 000000000000000000000000000000000 000000000000000000000000000000000 000000000000000000000000000000000 000000000000000000000000000000000 000000000000000000000000000000000 000000000000000000000000000000000 000000000000000000000000000000000 00000000. *Chemical Science*, **2017**, 8, 4987-4995	9.4	26
83	Conductive graphene coatings synthesized from graphenide solutions. *Carbon*, **2017**, 121, 217-225	10.4	7
82	Effect of Ionic Strength on the Bundling of Metal Oxide Imogolite Nanotubes. *Journal of Physical Chemistry C*, **2017**, 121, 21740-21749	3.8	18
81	Intercalated water in multi-layered graphene oxide paper: an X-ray scattering study. *Journal of Applied Crystallography*, **2017**, 50, 876-884	3.8	5

80	A liquid-crystalline hexagonal columnar phase in highly-dilute suspensions of imogolite nanotubes. *Nature Communications*, **2016**, 7, 10271	17.4	86
79	MOMAC: a SAXS/WAXS laboratory instrument dedicated to nanomaterials. *Journal of Applied Crystallography*, **2016**, 49, 1624-1631	3.8	19
78	Water in Carbon Nanotubes: The Peculiar Hydrogen Bond Network Revealed by Infrared Spectroscopy. *Journal of the American Chemical Society*, **2016**, 138, 10437-43	16.4	89
77	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	10.4	12
76	Hybrid, Tunable-Diameter, Metal Oxide Nanotubes for Trapping of Organic Molecules. *Chemistry of Materials*, **2015**, 27, 1488-1494	9.6	46
75	De la simple h□ce aux nanostructures tubulaires **2015**, 34-38	0.1	
74	Hexagonalization of Aluminogermanate Imogolite Nanotubes Organized into Closed-Packed Bundles. *Journal of Physical Chemistry C*, **2014**, 118, 9299-9306	3.8	34
73	Vertically aligned carbon nanotube-based composite: Elaboration and monitoring of the nanotubes alignment. *Journal of Applied Polymer Science*, **2014**, 131, n/a-n/a	2.9	5
72	Structure in nascent carbon nanotubes revealed by spatially resolved Raman spectroscopy. *Thin Solid Films*, **2014**, 568, 102-110	2.2	5
71	Intracellular fate of carbon nanotubes inside murine macrophages: pH-dependent detachment of iron catalyst nanoparticles. *Particle and Fibre Toxicology*, **2013**, 10, 24	8.4	26
70	Single-step formation of micron long (OH)3Al2O3Ge(OH) imogolite-like nanotubes. *Chemical Communications*, **2013**, 49, 11284-6	5.8	50
69	1D-confinement of polyiodides inside single-wall carbon nanotubes. *Carbon*, **2013**, 52, 100-108	10.4	18
68	X-Ray Diffraction for Structural Studies of Carbon Nanotubes and their Insertion Compounds **2013**, 81-127		1
67	X-ray scattering determination of the structure of water during carbon nanotube filling. *Nano Letters*, **2013**, 13, 1751-6	11.5	32
66	Anomalous thermal expansion of □ron nanocrystals inside multiwalled carbon nanotubes. *Physical Review B*, **2013**, 88,	3.3	7
65	From a one-dimensional crystal to a one-dimensional liquid: A comprehensive dynamical study of C60 peapods. *Physical Review B*, **2013**, 87,	3.3	4
64	In situ X-ray diffraction observation of two-step fullerene coalescence in carbon peapods. *Europhysics Letters*, **2013**, 103, 66002	1.6	2
63	Critical role of surface chemical modifications induced by length shortening on multi-walled carbon nanotubes-induced toxicity. *Particle and Fibre Toxicology*, **2012**, 9, 46	8.4	66

62	Synchrotron X-ray diffraction experiments with a prototype hybrid pixel detector. *Journal of Applied Crystallography*, **2012**, 45, 38-47	3.8	30
61	Translational Dynamics of One-Dimensional Fullerene Chains Encapsulated Inside Single-Walled Carbon Nanotubes. *Fullerenes Nanotubes and Carbon Nanostructures*, **2012**, 20, 395-400	1.8	
60	Monte Carlo Studies of C60- and C70-Peapods. *Fullerenes Nanotubes and Carbon Nanostructures*, **2012**, 20, 371-377	1.8	1
59	Progressive melting in confined one-dimensional C60 chains. *Physical Review B*, **2012**, 86,	3.3	8
58	Growth of aligned multi-walled carbon nanotubes: First in situ and time-resolved X-ray diffraction analysis. *Physica Status Solidi (B): Basic Research*, **2011**, 248, 2449-2453	1.3	15
57	A Monte Carlo study of C70 molecular motion in C70@SWCNT peapods. *Carbon*, **2011**, 49, 2007-2021	10.4	11
56	Lattice dynamics of a rotor-stator molecular crystal: Fullerene-cubane C60?C8H8. *Physical Review B*, **2010**, 82,	3.3	15
55	Transformation of C70 peapods into double walled carbon nanotubes. *Carbon*, **2010**, 48, 89-98	10.4	32
54	Mechanistic investigations of single-walled carbon nanotube synthesis by ferrocene vapor decomposition in carbon monoxide. *Carbon*, **2010**, 48, 380-388	10.4	70
53	X-ray diffraction study of the evolution of Fe-filled multiwalled carbon nanotubes under pressure. *European Physical Journal B*, **2009**, 72, 145-151	1.2	3
52	Insights into the mechanism of the gas-phase purification of HiPco SWNTs through a comprehensive multi-technique study. *New Journal of Chemistry*, **2009**, 33, 1211	3.6	12
51	Shape-controlled platinum nanocubes and their assembly into two-dimensional and three-dimensional superlattices. *Journal of Physical Chemistry B*, **2008**, 112, 14583-92	3.4	120
50	Fullerene-cubane: X-ray Scattering Experiments and Monte Carlo Simulations. *Fullerenes Nanotubes and Carbon Nanostructures*, **2008**, 16, 293-300	1.8	6
49	Vanadium OxidePANI Nanocomposite-Based Macroscopic Fibers: 1D Alcohol Sensors Bearing Enhanced Toughness. *Chemistry of Materials*, **2008**, 20, 5541-5549	9.6	58
48	Nature of the Catalyst Particles in CCVD Synthesis of Multiwalled Carbon Nanotubes Revealed by the Cooling Step Study. *Journal of Physical Chemistry C*, **2008**, 112, 7371-7378	3.8	30
47	Carbon nanotubes in macrophages: imaging and chemical analysis by X-ray fluorescence microscopy. *Nano Letters*, **2008**, 8, 2659-63	11.5	58
46	X-ray microdiffraction study of single-walled carbon nanotube alignment across a fibre. *Europhysics Letters*, **2007**, 79, 46002	1.6	11
45	Substantial improvement of nanotube processability by freeze-drying. *Journal of Nanoscience and Nanotechnology*, **2007**, 7, 2633-9	1.3	18

44	Orientation of C70 molecules in peapods as a function of the nanotube diameter. *Physical Review B*, **2007**, 75,	3.3	35
43	Self-assembled lamellar structures with functionalized single wall carbon nanotubes. *Chemical Communications*, **2007**, 4248-50	5.8	6
42	Discriminated structural behaviour of C 60 and C 70 peapods under extreme conditions. *Europhysics Letters*, **2007**, 79, 56003	1.6	27
41	NEXAFS and X-ray scattering study of structure changes after post-annealing treatments of aligned MWNTs. *Diamond and Related Materials*, **2005**, 14, 881-886	3.5	12
40	Geometry, phase stability, and electronic properties of isolated selenium chains incorporated in a nanoporous matrix. *Journal of the American Chemical Society*, **2005**, 127, 16111-9	16.4	44
39	Hot-drawing of single and multiwall carbon nanotube fibers for high toughness and alignment. *Nano Letters*, **2005**, 5, 2212-5	11.5	283
38	Evidence of sequential lift in growth of aligned multiwalled carbon nanotube multilayers. *Nano Letters*, **2005**, 5, 2394-8	11.5	145
37	Growth of multiwalled carbon nanotubes during the initial stages of aerosol-assisted CCVD. *Carbon* , **2005**, 43, 2968-2976	10.4	82
36	Effect of temperature on carbon nanotube diameter and bundle arrangement: Microscopic and macroscopic analysis. *Journal of Applied Physics*, **2004**, 95, 2029-2037	2.5	20
35	Characterization of Single-walled Carbon Nanotube Fibers and Correlation with Stretch Alignment. *Materials Research Society Symposia Proceedings*, **2004**, 858, 237		2
34	Synthesis and characterization of Se nano-structures inside porous zeolite crystals. *Applied Surface Science*, **2004**, 226, 36-40	6.7	13
33	Correlation of properties with preferred orientation in coagulated and stretch-aligned single-wall carbon nanotubes. *Journal of Applied Physics*, **2004**, 96, 7509-7513	2.5	76
32	Evidence of strong nanotube alignment and for iron preferential growth axis in multiwalled carbon nanotube carpets. *Applied Physics Letters*, **2004**, 85, 473-475	3.4	49
31	Original magnetic alignment of a nematic phase containing single-walled nanotubes. *Journal of Nanoscience and Nanotechnology*, **2004**, 4, 86-90	1.3	3
30	Alignment of Carbon Nanotubes in Macroscopic Fibers. *AIP Conference Proceedings*, **2002**,	0	6
29	Films and fibers of oriented single wall nanotubes. *Carbon*, **2002**, 40, 1741-1749	10.4	187
28	Improved structure and properties of single-wall carbon nanotube spun fibers. *Applied Physics Letters*, **2002**, 81, 1210-1212	3.4	188
27	Disorder versus structure analysis in intergrowth urea inclusion compounds. *Journal of Physics Condensed Matter*, **2001**, 13, 1653-1668	1.8	10

26	Metal-insulator and structural phase transition observed by ESR spectroscopy and x-ray diffraction in KC60. *Physical Review Letters*, **2001**, 86, 4346-9	7.4	12
25	Structural characterization of nanotube fibers by x-ray scattering. *Journal of Nanoscience and Nanotechnology*, **2001**, 1, 125-8	1.3	52
24	Carbon nanotubes synthesised in channels of AlPO4-5 single crystals: first X-ray scattering investigations. *Solid State Communications*, **2000**, 116, 99-103	1.6	41
23	Polymer chain orientations in KC60 and RbC60: structural analysis and relation with electronic properties. *Synthetic Metals*, **1999**, 103, 2354-2357	3.6	10
22	INTERACTIONS AND MOLECULAR ORIENTATIONS IN SOLID C60. *International Journal of Modern Physics B*, **1999**, 13, 253-281	1.1	21
21	Structural and physical properties of pressure polymerized C60. *Carbon*, **1998**, 36, 657-660	10.4	13
20	Evidence for Distinct Polymer Chain Orientations in KC60 and RbC60. *Physical Review Letters*, **1998**, 81, 4420-4423	7.4	54
19	First X-ray diffraction analysis of pressure polymerized C 60 single crystals. *Europhysics Letters*, **1997**, 40, 55-60	1.6	75
18	Tests of current models of intermolecular potentials against x-ray diffuse scattering in C60. *Physical Review B*, **1997**, 55, 2651-2665	3.3	34
17	Single crystal x-ray diffuse scattering studies of the intermolecular interactions in solid C60. *Synthetic Metals*, **1997**, 86, 2327-2328	3.6	3
16	Pretransitional cooperative dynamics in the incommensurate freezing of DRAPD glass: a neutron scattering study. *Europhysics Letters*, **1996**, 33, 129-134	1.6	3
15	Quasicrystals: a new type of organization in condensed matter. *Endeavour*, **1996**, 20, 16-21	0.5	1
14	Molecular Orientational Ordering in Solid C60. *Fullerenes, Nanotubes, and Carbon Nanostructures*, **1996**, 4, 1287-1298		4
13	Pretransitional dynamics of the structural phase transition in anthracene-TCNB: A comparison of Raman-scattering and inelastic-neutron-scattering experiments. *Physical Review B*, **1996**, 54, 15002-15015	3.3	5
12	Analysis of the x-ray diffuse scattering in C60 from microscopic models. *Physical Review B*, **1996**, 53, R10532-R10535	3.3	16
11	Comment on X-Ray Study of Glassy Behaviour in C60Single Crystals and Structural Relaxationin Glassy Phase of C60 *Journal of the Physical Society of Japan*, **1995**, 64, 1862-1862	1.5	2
10	Diffuse scattering and orientational correlations in solid C60. *Physical Review B*, **1995**, 52, 5414-5425	3.3	36
9	The microcrystalline state of slowly solidified decaprismatic Al-Co-Cu(-Si) needles. *Philosophical Magazine Letters*, **1995**, 71, 147-152	1	8

8	Decagonal quasicrystalline or microcrystalline structures: The specific case of Al-Cu-Co(-Si). *Physical Review B*, **1994**, 49, 15573-15587	3.3	31
7	Inelastic neutron scattering of lithium tantalate studied in the ferroelectric and paraelectric phases. *Journal of Physics Condensed Matter*, **1993**, 5, 2707-2718	1.8	1
6	Elastic neutron scattering study of high order satellites in the incommensurate phase of bis(4-chlorophenyl)sulfone. *Solid State Communications*, **1993**, 87, 47-51	1.6	19
5	Decagonal Phases: Non-Quasi-Crystalline Microcrystalline State in an Al-Cu-Co-Si Alloy. *Europhysics Letters*, **1991**, 14, 283-283	1.6	3
4	Decagonal Phases: Non-Quasi-Crystalline Microcrystalline State in an Al-Cu-Co-Si Alloy. *Europhysics Letters*, **1990**, 13, 629-634	1.6	55
3	Phasons and amplitudons in an n = 4 incommensurate structure: Phase II of biphenyl under pressure. *Ferroelectrics*, **1988**, 78, 137-144	0.6	5
2	A Pressure-Induced Incommensurate Phase in Ammonium Hydrogen Oxalate Hemihydrate. *Europhysics Letters*, **1988**, 6, 37-42	1.6	15
1	Neutron observation of phase and amplitude modes in an n=4 incommensurate system. *Physical Review B*, **1987**, 36, 8951-8954	3.3	23