

# Nadine Millot

## List of Publications by Year in descending order

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83  
papers

2,050  
citations

172457

29  
h-index

276875

41  
g-index

84  
all docs

84  
docs citations

84  
times ranked

2935  
citing authors

#	ARTICLE	IF	CITATIONS
1	Radiation nanosensitizers in cancer therapy—From preclinical discoveries to the outcomes of early clinical trials. <i>Bioengineering and Translational Medicine</i> , 2022, 7, e10256.	7.1	26
2	Mechanosynthesis of carbonate and lithium co-substituted hydroxyfluorapatite. <i>Materials Research Bulletin</i> , 2022, 150, 111750.	5.2	0
3	Anti-Platelet Effect Induced by Iron Oxide Nanoparticles: Correlation with Conformational Change in Fibrinogen. <i>Small</i> , 2021, 17, 2004945.	10.0	9
4	Evidence of a non-apoptotic mode of cell death in microglial BV-2 cells exposed to different concentrations of zinc oxide nanoparticles. <i>Environmental Science and Pollution Research</i> , 2021, 28, 12500-12520.	5.3	7
5	Anti-Platelet Effect: Anti-Platelet Effect Induced by Iron Oxide Nanoparticles: Correlation with Conformational Change in Fibrinogen ( <i>Small</i> 1/2021). <i>Small</i> , 2021, 17, 2170003.	10.0	0
6	Development of Novel Versatile Theranostic Platforms Based on Titanate Nanotubes: Towards Safe Nanocarriers for Biomedical Applications. , 2021, , 151-178.		1
7	<i>In vivo</i> protein corona on nanoparticles: does the control of all material parameters orient the biological behavior?. <i>Nanoscale Advances</i> , 2021, 3, 1209-1229.	4.6	52
8	Cu-Doped ZnO Nanoparticles for Non-Enzymatic Glucose Sensing. <i>Molecules</i> , 2021, 26, 929.	3.8	31
9	Use of Super Paramagnetic Iron Oxide Nanoparticles as Drug Carriers in Brain and Ear: State of the Art and Challenges. <i>Brain Sciences</i> , 2021, 11, 358.	2.3	19
10	Kinematic modelisation and parametric study of mechanosynthesis of hydroxyfluorapatite. <i>Advanced Powder Technology</i> , 2021, 32, 3585-3600.	4.1	3
11	About the Influence of PEG Spacers on the Cytotoxicity of Titanate Nanotubes-Docetaxel Nanohybrids against a Prostate Cancer Cell Line. <i>Nanomaterials</i> , 2021, 11, 2733.	4.1	1
12	Taurine-Conjugated Mussel-Inspired Iron Oxide Nanoparticles with an Elongated Shape for Effective Delivery of Doxorubicin into the Tumor Cells. <i>ACS Omega</i> , 2020, 5, 16165-16175.	3.5	13
13	Study of the effect of milling parameters on mechanosynthesis of hydroxyfluorapatite using the Taguchi method. <i>Powder Technology</i> , 2019, 356, 566-580.	4.2	13
14	Superparamagnetic Nanoparticle Delivery to the Cochlea Through Round Window by External Magnetic Field: Feasibility and Toxicity. <i>Surgical Innovation</i> , 2019, 26, 646-655.	0.9	17
15	Polydopamine Modified Superparamagnetic Iron Oxide Nanoparticles as Multifunctional Nanocarrier for Targeted Prostate Cancer Treatment. <i>Nanomaterials</i> , 2019, 9, 138.	4.1	47
16	Innovative Magnetic Nanoparticles for PET/MRI Bimodal Imaging. <i>ACS Omega</i> , 2019, 4, 2637-2648.	3.5	46
17	Efficient Quantification by X-ray Photoelectron Spectroscopy and Thermogravimetric Analyses of the One-Pot Grafting of Two Molecules on the Surface of Iron Oxide Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 4920-4929.	0.9	0
18	Elaboration of Trans-Resveratrol Derivative-Loaded Superparamagnetic Iron Oxide Nanoparticles for Glioma Treatment. <i>Nanomaterials</i> , 2019, 9, 287.	4.1	20

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19	Titanate Nanotubes Engineered with Gold Nanoparticles and Docetaxel to Enhance Radiotherapy on Xenografted Prostate Tumors. <i>Cancers</i> , 2019, 11, 1962.	3.7	22
20	Dielectric behavior of a lead-free electroceramics $Ba_{1-x}Er_{2x/3}(Ti_{1-y}Zr_y)O_3$ . <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 10154-10163.	2.2	1
21	Cellular interactions of functionalized superparamagnetic iron oxide nanoparticles on oligodendrocytes without detrimental side effects: Cell death induction, oxidative stress and inflammation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 170, 454-462.	5.0	22
22	Toxicological Risk Assessment of Emerging Nanomaterials: Cytotoxicity, Cellular Uptake, Effects on Biogenesis and Cell Organelle Activity, Acute Toxicity and Biodistribution of Oxide Nanoparticles. , 2018, , .		10
23	In vitro interaction and biocompatibility of titanate nanotubes with microglial cells. <i>Toxicology and Applied Pharmacology</i> , 2018, 353, 74-86.	2.8	13
24	Effect of mechanical stirring and temperature on dynamic hydrothermal synthesis of titanate nanotubes. <i>Journal of Alloys and Compounds</i> , 2017, 722, 785-796.	5.5	32
25	Taxane-Graded Metal-Oxide Nanoparticles as a New Theranostic Tool against Cancer: The Promising Example of Docetaxel-Functionalized Titanate Nanotubes on Prostate Tumors. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700245.	7.6	20
26	Zinc oxide nanoparticles mediated cytotoxicity, mitochondrial membrane potential and level of antioxidants in presence of melatonin. <i>International Journal of Biological Macromolecules</i> , 2017, 103, 808-818.	7.5	34
27	Synthesis and characterization of chitosan-coated titanate nanotubes: towards a new safe nanocarrier. <i>Dalton Transactions</i> , 2017, 46, 15386-15398.	3.3	23
28	Normal and relaxor ferroelectric behavior in the $Ba_{1-x}Pb_x(Ti_{1-y}Zr_y)O_3$ solid solutions. <i>Journal of Alloys and Compounds</i> , 2017, 693, 245-256.	5.5	18
29	Docetaxel-titanate nanotubes enhance radiosensitivity in an androgen-independent prostate cancer model. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 6357-6364.	6.7	18
30	Tetrazine Click Chemistry for the Modification of 1-Hydroxy-1,1-methylenebisphosphonic Acids: Towards Bio-orthogonal Functionalization of Gold Nanoparticles. <i>Chemistry - A European Journal</i> , 2016, 22, 16022-16027.	3.3	12
31	Efficient functionalization of magnetite nanoparticles with phosphonate using a one-step continuous hydrothermal process. <i>Dalton Transactions</i> , 2016, 45, 10821-10829.	3.3	28
32	One-step continuous synthesis of functionalized magnetite nanoflowers. <i>Nanotechnology</i> , 2016, 27, 135604.	2.6	24
33	Phthalocyanine-titanate nanotubes: a promising nanocarrier detectable by optical imaging in the so-called imaging window. <i>RSC Advances</i> , 2015, 5, 6315-6322.	3.6	10
34	Influence of Surface Charge and Polymer Coating on Internalization and Biodistribution of Polyethylene Glycol-Modified Iron Oxide Nanoparticles. <i>Journal of Biomedical Nanotechnology</i> , 2015, 11, 126-136.	1.1	58
35	Functionalized $Fe_3O_4$ nanoparticles: influence of ligand addition sequence and pH during their continuous hydrothermal synthesis. <i>RSC Advances</i> , 2015, 5, 78614-78624.	3.6	5
36	Immobilized Pd on magnetic nanoparticles bearing proline as a highly efficient and retrievable Suzuki-Miyaura catalyst in aqueous media. <i>Dalton Transactions</i> , 2015, 44, 501-505.	3.3	30

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37	A multi-step mechanism and integrity of titanate nanoribbons. Dalton Transactions, 2015, 44, 1150-1160.	3.3	15
38	Dispersion of titanate nanotubes for nanomedicine: comparison of PEI and PEG nanohybrids. Dalton Transactions, 2015, 44, 739-746.	3.3	37
39	Preclinical development of a docetaxel nanocarrier to enhance prostate cancer radiosensitivity.. Journal of Clinical Oncology, 2015, 33, 41-41.	1.6	0
40	207 The enhancement of radiotherapy efficacy with docetaxel-titanate nanotubes as a new nanohybrid for localized high risk prostate cancer. European Journal of Cancer, 2014, 50, 67.	2.8	3
41	Control of barium ferrite decomposition during spark plasma sintering: Towards nanostructured samples with anisotropic magnetic properties. Journal of the European Ceramic Society, 2014, 34, 337-346.	5.7	20
42	Fast and continuous synthesis of nanostructured iron spinel in supercritical water: influence of cations and citrates. RSC Advances, 2014, 4, 45673-45678.	3.6	7
43	Titanate nanotubes: towards a novel and safer nanovector for cardiomyocytes*. Nanotoxicology, 2013, 7, 1131-1142.	3.0	42
44	Magneto-optical nanomaterials: a SPIO- $\mu$ phthalocyanine scaffold built step-by-step towards bimodal imaging. Chemical Communications, 2013, 49, 7394.	4.1	12
45	The radiosensitization effect of titanate nanotubes as a new tool in radiation therapy for glioblastoma: A proof-of-concept. Radiotherapy and Oncology, 2013, 108, 136-142.	0.6	87
46	OC-11: The Radiosensitization Effect of Titanate Nanotubes as a Promising Tool in Radiotherapy: A Proof-of-Concept. Radiotherapy and Oncology, 2012, 104, 24.	0.6	1
47	Synthesis of Titanate Nanotubes Directly Coated with USPIO in Hydrothermal Conditions: A New Detectable Nanocarrier. Journal of Physical Chemistry C, 2011, 115, 19012-19017.	3.1	34
48	One step continuous hydrothermal synthesis of very fine stabilized superparamagnetic nanoparticles of magnetite. Chemical Communications, 2011, 47, 11706.	4.1	31
49	Oxygen stoichiometry control of nanometric oxide compounds: The case of titanium ferrites. Journal of Solid State Chemistry, 2011, 184, 2776-2784.	2.9	2
50	Deposition and characterization of cold sprayed nanocrystalline NiTi. Powder Technology, 2011, 210, 181-188.	4.2	33
51	Synthesis and characterization of nanometric powders of $UO_{2+x}$ , $(Th,U)O_{2+x}$ and $(La,U)O_{2+x}$ . Journal of Solid State Chemistry, 2009, 182, 2591-2597.	2.9	29
52	On the origin of the sigmoid shape in the $UO_2$ oxidation weight gain curves. Journal of the European Ceramic Society, 2009, 29, 2791-2798.	5.7	29
53	Easy Route to Functionalize Iron Oxide Nanoparticles via Long-Term Stable Thiol Groups. Langmuir, 2009, 25, 8857-8859.	3.5	49
54	Effect of Reaction Parameters on Composition and Morphology of Titanate Nanomaterials. Journal of Physical Chemistry C, 2009, 113, 12682-12689.	3.1	53

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55	Continuous hydrothermal synthesis of nanometric BaZrO <sub>3</sub> in supercritical water. Journal of Solid State Chemistry, 2008, 181, 183-189.	2.9	36
56	Inelastic neutron scattering due to acoustic vibrations confined in nanoparticles: Theory and experiment. Physical Review B, 2008, 78, .	3.2	15
57	Spark plasma sintering of cobalt ferrite nanopowders prepared by coprecipitation and hydrothermal synthesis. Journal of the European Ceramic Society, 2007, 27, 921-926.	5.7	84
58	Low-frequency Raman characterization of size-controlled anatase TiO <sub>2</sub> nanopowders prepared by continuous hydrothermal syntheses. Journal of Nanoparticle Research, 2007, 9, 309-315.	1.9	48
59	Temperature dependent photoluminescence of photocatalytically active titania nanopowders. Catalysis Today, 2007, 122, 101-108.	4.4	28
60	In situ and time resolved study of the $\gamma$ - transition in nanometric particles. Journal of Solid State Chemistry, 2007, 180, 2377-2385.	2.9	36
61	A detailed study of UO <sub>2</sub> to U <sub>3</sub> O <sub>8</sub> oxidation phases and the associated rate-limiting steps. Journal of Nuclear Materials, 2006, 355, 10-20.	2.7	94
62	Far-Infrared Absorption by Acoustic Phonons in Titanium Dioxide Nanopowders. Journal of Nanoelectronics and Optoelectronics, 2006, 1, 92-98.	0.5	24
63	Hydrothermal synthesis of nanostructured inorganic powders by a continuous process under supercritical conditions. Journal of the European Ceramic Society, 2005, 25, 2013-2016.	5.7	32
64	Surface adsorption effects on the lattice expansion of copper nanocrystals. Applied Physics Letters, 2005, 86, 2319-14.	3.3	18
65	Structural Variations as a Function of Surface Adsorption in Nanostructured Particles. Journal of Physical Chemistry B, 2004, 108, 5333-5340.	2.6	33
66	Control of grain size and morphologies of nanograined ferrites by adaptation of the synthesis route: mechanosynthesis and soft chemistry. Journal of Solid State Chemistry, 2003, 170, 30-38.	2.9	40
67	Sintering of copper nanopowders under hydrogen: an in situ X-ray diffraction analysis. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 360, 258-263.	5.6	33
68	Mixed valences in nanometric ferrites investigated by resonant powder diffraction. Journal of Applied Crystallography, 2003, 36, 301-307.	4.5	10
69	Particle Size Dependency of Ternary Diagrams at the Nanometer Scale: Evidence of TiO <sub>2</sub> Clusters in Fe-Based Spinels. Journal of Physical Chemistry B, 2003, 107, 5740-5750.	2.6	36
70	Apparent magic numbers in embedded Ti-O clusters. Physical Review B, 2003, 68, .	3.2	1
71	Influence of Grain Size, Oxygen Stoichiometry, and Synthesis Conditions on the $\hat{\Gamma}^3$ -Fe <sub>2</sub> O <sub>3</sub> Vacancies Ordering and Lattice Parameters. Journal of Solid State Chemistry, 2002, 163, 459-465.	2.9	119
72	Phénomènes de ségrégation dans les ferrites de titane nanométriques : apports complémentaires de différentes techniques expérimentales (DRX, XPS, EXAFS ...). European Physical Journal Special Topics, 2002, 12, 473-480.	0.2	0

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73	Suivi par diffraction de rayons X $\text{in situ}$ de l'évolution du paramètre de maille du ferrite nanométrique $\text{Fe}_3\text{Fe}_2\text{O}_3$ lors de l'isotherme d'adsorption d'eau. <i>European Physical Journal Special Topics</i> , 2002, 12, 487-498.	0.2	0
74	Evidence for the Verwey transition in highly nonstoichiometric nanometric Fe-based ferrites. <i>Physical Review B</i> , 2001, 64, .	3.2	51
75	Chemical Heterogeneities in Nanometric Titanomagnetites Prepared by Soft Chemistry and Studied Ex Situ: Evidence for Fe-Segregation and Oxidation Kinetics. <i>Journal of Physical Chemistry B</i> , 2001, 105, 7125-7132.	2.6	53
76	XPS and EELS investigations of chemical homogeneity in nanometer scaled Ti-ferrites obtained by soft chemistry. <i>Solid State Ionics</i> , 1999, 117, 175-184.	2.7	28
77	Dynamic segregation phenomena during oxidation of titanium ferrites. <i>Journal of Materials Chemistry</i> , 1999, 9, 1179-1183.	6.7	7
78	Characterization of ferrites synthesized by mechanical alloying and soft chemistry. <i>Scripta Materialia</i> , 1999, 12, 641-644.	0.5	7
79	Structure, Cation Distribution, and Properties of Nanocrystalline Titanomagnetites Obtained by Mechanochemistry: Comparison with Soft Chemistry. <i>Journal of Solid State Chemistry</i> , 1998, 139, 66-78.	2.9	31
80	Cation Distribution in a Titanium Ferrite $\text{Fe}_{2.75}\text{Ti}_{0.25}\text{O}_4$ Measured by <i>in-Situ</i> Anomalous Powder Diffraction Using Rietveld Refinement. <i>Journal of Solid State Chemistry</i> , 1998, 141, 105-113.	2.9	14
81	Cation Distribution in Ferrites with Spinel Structure Measured by Anomalous Powder Diffraction. <i>Materials Science Forum</i> , 1998, 278-281, 594-599.	0.3	2
82	Utilisation de la diffraction $\text{X}$ pour déterminer la distribution cationique d'un ferrite de titane nanométrique. <i>European Physical Journal Special Topics</i> , 1998, 08, Pr5-99-Pr5-107.	0.2	0
83	Correlation Between the Reactivity Towards Oxygen and the Coercivity in Submicron Vanadium Ferrite Spinel. <i>European Physical Journal Special Topics</i> , 1997, 07, C1-237-C1-238.	0.2	1