Nadine Millot

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2455484/publications.pdf

Version: 2024-02-01

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	Influence of Grain Size, Oxygen Stoichiometry, and Synthesis Conditions on the Î³-Fe2O3 Vacancies Ordering and Lattice Parameters. Journal of Solid State Chemistry, 2002, 163, 459-465.	2.9	119
2	A detailed study of UO2 to U3O8 oxidation phases and the associated rate-limiting steps. Journal of Nuclear Materials, 2006, 355, 10-20.	2.7	94
3	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
4	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
5	Influence of Surface Charge and Polymer Coating on Internalization and Biodistribution of Polyethylene Glycol-Modified Iron Oxide Nanoparticles. Journal of Biomedical Nanotechnology, 2015, 11, 126-136.	1.1	58
6	Chemical Heterogeneities in Nanometric Titanomagnetites Prepared by Soft Chemistry and Studied Ex Situ:â€‰ Evidence for Fe-Segregation and Oxidation Kinetics. Journal of Physical Chemistry B, 2001, 105, 7125-7132.	2.6	53
7	Effect of Reaction Parameters on Composition and Morphology of Titanate Nanomaterials. Journal of Physical Chemistry C, 2009, 113, 12682-12689.	3.1	53
8	In vivo protein corona on nanoparticles: does the control of all material parameters orient the biological behavior?. Nanoscale Advances, 2021, 3, 1209-1229.	4.6	52
9	Evidence for the Verwey transition in highly nonstoichiometric nanometric Fe-based ferrites. Physical Review B, 2001, 64, .	3.2	51
10	Easy Route to Functionalize Iron Oxide Nanoparticles via Long-Term Stable Thiol Groups. Langmuir, 2009, 25, 8857-8859.	3.5	49
11	Low-frequency Raman characterization of size-controlled anatase TiO2 nanopowders prepared by continuous hydrothermal syntheses. Journal of Nanoparticle Research, 2007, 9, 309-315.	1.9	48
12	Polydopamine Modified Superparamagnetic Iron Oxide Nanoparticles as Multifunctional Nanocarrier for Targeted Prostate Cancer Treatment. Nanomaterials, 2019, 9, 138.	4.1	47
13	Innovative Magnetic Nanoparticles for PET/MRI Bimodal Imaging. ACS Omega, 2019, 4, 2637-2648.	3.5	46
14	Titanate nanotubes: towards a novel and safer nanovector for cardiomyocytes*. Nanotoxicology, 2013, 7, 1131-1142.	3.0	42
15	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
16	Dispersion of titanate nanotubes for nanomedicine: comparison of PEI and PEG nanohybrids. Dalton Transactions, 2015, 44, 739-746.	3.3	37
17	Particle Size Dependency of Ternary Diagrams at the Nanometer Scale: Evidence of TiO2Clusters in Fe-Based Spinels. Journal of Physical Chemistry B, 2003, 107, 5740-5750.	2.6	36
18	In situ and time resolved study of the - transition in nanometric particles. Journal of Solid State Chemistry, 2007, 180, 2377-2385.	2.9	36

#	Article	IF	Citations
19	Continuous hydrothermal synthesis of nanometric BaZrO3 in supercritical water. Journal of Solid State Chemistry, 2008, 181, 183-189.	2.9	36
20	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
21	Zinc oxide nanoparticles mediated cytotoxicity, mitochondrial membrane potential and level of antioxidants in presence of melatonin. International Journal of Biological Macromolecules, 2017, 103, 808-818.	7.5	34
22	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
23	Structural Variations as a Function of Surface Adsorption in Nanostructured Particles. Journal of Physical Chemistry B, 2004, 108, 5333-5340.	2.6	33
24	Deposition and characterization of cold sprayed nanocrystalline NiTi. Powder Technology, 2011, 210, 181-188.	4.2	33
25	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
26	Effect of mechanical stirring and temperature on dynamic hydrothermal synthesis of titanate nanotubes. Journal of Alloys and Compounds, 2017, 722, 785-796.	5.5	32
27	Structure, Cation Distribution, and Properties of Nanocrystalline Titanomagnetites Obtained by Mechanosynthesis: Comparison with Soft Chemistry. Journal of Solid State Chemistry, 1998, 139, 66-78.	2.9	31
28	One step continuous hydrothermal synthesis of very fine stabilized superparamagnetic nanoparticles of magnetite. Chemical Communications, 2011, 47, 11706.	4.1	31
29	Cu-Doped ZnO Nanoparticles for Non-Enzymatic Glucose Sensing. Molecules, 2021, 26, 929.	3.8	31
30	Immobilized Pd on magnetic nanoparticles bearing proline as a highly efficient and retrievable Suzukiâ€“Miyaura catalyst in aqueous media. Dalton Transactions, 2015, 44, 501-505.	3.3	30
31	Synthesis and characterization of nanometric powders of UO2+x, (Th,U)O2+x and (La,U)O2+x. Journal of Solid State Chemistry, 2009, 182, 2591-2597.	2.9	29
32	On the origin of the sigmoid shape in the UO2 oxidation weight gain curves. Journal of the European Ceramic Society, 2009, 29, 2791-2798.	5.7	29
33	XPS and EELS investigations of chemical homogeneity in nanometer scaled Ti-ferrites obtained by soft chemistry. Solid State Ionics, 1999, 117, 175-184.	2.7	28
34	Temperature dependent photoluminescence of photocatalytically active titania nanopowders. Catalysis Today, 2007, 122, 101-108.	4.4	28
35	Efficient functionalization of magnetite nanoparticles with phosphonate using a one-step continuous hydrothermal process. Dalton Transactions, 2016, 45, 10821-10829.	3.3	28
36	Radiation nanosensitizers in cancer therapyâ€”From preclinical discoveries to the outcomes of early clinical trials. Bioengineering and Translational Medicine, 2022, 7, e10256.	7.1	26

#	Article	IF	Citations
37	One-step continuous synthesis of functionalized magnetite nanoflowers. Nanotechnology, 2016, 27, 135604.	2.6	24
38	Far-Infrared Absorption by Acoustic Phonons in Titanium Dioxide Nanopowders. Journal of Nanoelectronics and Optoelectronics, 2006, 1, 92-98.	0.5	24
39	Synthesis and characterization of chitosan-coated titanate nanotubes: towards a new safe nanocarrier. Dalton Transactions, 2017, 46, 15386-15398.	3.3	23
40	Cellular interactions of functionalized superparamagnetic iron oxide nanoparticles on oligodendrocytes without detrimental side effects: Cell death induction, oxidative stress and inflammation. Colloids and Surfaces B: Biointerfaces, 2018, 170, 454-462.	5.0	22
41	Titanate Nanotubes Engineered with Gold Nanoparticles and Docetaxel to Enhance Radiotherapy on Xenografted Prostate Tumors. Cancers, 2019, 11, 1962.	3.7	22
42	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
43	Taxaneâ€Grafted Metalâ€Oxide Nanoparticles as a New Theranostic Tool against Cancer: The Promising Example of Docetaxelâ€Functionalized Titanate Nanotubes on Prostate Tumors. Advanced Healthcare Materials, 2017, 6, 1700245.	7.6	20
44	Elaboration of Trans-Resveratrol Derivative-Loaded Superparamagnetic Iron Oxide Nanoparticles for Glioma Treatment. Nanomaterials, 2019, 9, 287.	4.1	20
45	Use of Super Paramagnetic Iron Oxide Nanoparticles as Drug Carriers in Brain and Ear: State of the Art and Challenges. Brain Sciences, 2021, 11, 358.	2.3	19
46	Surface adsorption effects on the lattice expansion of copper nanocrystals. Applied Physics Letters, 2005, 86, 231914.	3.3	18
47	Normal and relaxor ferroelectric behavior in the Ba1â^'xPbx(Ti1â^'yZry)O3 solid solutions. Journal of Alloys and Compounds, 2017, 693, 245-256.	5.5	18
48	Docetaxel-titanate nanotubes enhance radiosensitivity in an androgen-independent prostate cancer model. International Journal of Nanomedicine, 2017, Volume 12, 6357-6364.	6.7	18
49	Superparamagnetic Nanoparticle Delivery to the Cochlea Through Round Window by External Magnetic Field: Feasibility and Toxicity. Surgical Innovation, 2019, 26, 646-655.	0.9	17
50	Inelastic neutron scattering due to acoustic vibrations confined in nanoparticles: Theory and experiment. Physical Review B, 2008, 78, .	3.2	15
51	A multi-step mechanism and integrity of titanate nanoribbons. Dalton Transactions, 2015, 44, 1150-1160.	3.3	15
52	Cation Distribution in a Titanium Ferrite Fe2.75Ti0.25O4Measured byin-SituAnomalous Powder Diffraction Using Rietveld Refinement. Journal of Solid State Chemistry, 1998, 141, 105-113.	2.9	14
53	In vitro interaction and biocompatibility of titanate nanotubes with microglial cells. Toxicology and Applied Pharmacology, 2018, 353, 74-86.	2.8	13
54	Study of the effect of milling parameters on mechanosynthesis of hydroxyfluorapatite using the Taguchi method. Powder Technology, 2019, 356, 566-580.	4.2	13

#	Article	IF	Citations
55	Taurine-Conjugated Mussel-Inspired Iron Oxide Nanoparticles with an Elongated Shape for Effective Delivery of Doxorubicin into the Tumor Cells. ACS Omega, 2020, 5, 16165-16175.	3.5	13
56	Magneto-optical nanomaterials: a SPIOâ€“phthalocyanine scaffold built step-by-step towards bimodal imaging. Chemical Communications, 2013, 49, 7394.	4.1	12
57	Tetrazine Click Chemistry for the Modification of 1â€Hydroxyâ€1,1â€methylenebisphosphonic Acids: Towards Bioâ€orthogonal Functionalization of Gold Nanoparticles. Chemistry - A European Journal, 2016, 22, 16022-16027.	3.3	12
58	Mixed valences in nanometric ferrites investigated by resonant powder diffraction. Journal of Applied Crystallography, 2003, 36, 301-307.	4.5	10
59	Phthalocyanineâ€“titanate nanotubes: a promising nanocarrier detectable by optical imaging in the so-called imaging window. RSC Advances, 2015, 5, 6315-6322.	3.6	10
60	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
61	Antiâ€Platelet Effect Induced by Iron Oxide Nanoparticles: Correlation with Conformational Change in Fibrinogen. Small, 2021, 17, 2004945.	10.0	9
62	Dynamic segregation phenomena during oxidation of titanium ferrites. Journal of Materials Chemistry, 1999, 9, 1179-1183.	6.7	7
63	Characterization of ferrites synthesized by mechanical alloying and soft chemistry. Scripta Materialia, 1999, 12, 641-644.	0.5	7
64	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
65	Evidence of a non-apoptotic mode of cell death in microglial BV-2 cells exposed to different concentrations of zinc oxide nanoparticles. Environmental Science and Pollution Research, 2021, 28, 12500-12520.	5.3	7
66	Functionalized Fe₃O₄ nanoparticles: influence of ligand addition sequence and pH during their continuous hydrothermal synthesis. RSC Advances, 2015, 5, 78614-78624.	3.6	5
67	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
68	Kinematic modelisation and parametric study of mechanosynthesis of hydroxyfluorapatite. Advanced Powder Technology, 2021, 32, 3585-3600.	4.1	3
69	Cation Distribution in Ferrites with Spinel Structure Measured by Anomalous Powder Diffraction. Materials Science Forum, 1998, 278-281, 594-599.	0.3	2
70	Oxygen stoichiometry control of nanometric oxide compounds: The case of titanium ferrites. Journal of Solid State Chemistry, 2011, 184, 2776-2784.	2.9	2
71	Apparent magic numbers in embedded Ti-O clusters. Physical Review B, 2003, 68, .	3.2	1
72	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

#	Article	IF	Citations
73	Dielectric behavior of a lead-free electroceramics Ba1â^'xEr2x/3(Ti1â^'yZry)O3. Journal of Materials Science: Materials in Electronics, 2018, 29, 10154-10163.	2.2	1
74	Development of Novel Versatile Theranostic Platforms Based on Titanate Nanotubes: Towards Safe Nanocarriers for Biomedical Applications. , 2021, , 151-178.		1
75	Correlation Between the Reactivity Towards Oxygen and the Coercitivity in Submicron Vanadium Ferrite Spinels. European Physical Journal Special Topics, 1997, 07, C1-237-C1-238.	0.2	1
76	About the Influence of PEG Spacers on the Cytotoxicity of Titanate Nanotubes-Docetaxel Nanohybrids against a Prostate Cancer Cell Line. Nanomaterials, 2021, 11, 2733.	4.1	1
77	Utilisation de la diffraction rÃ©sonnante pour dÃ©terminer la distribution cationique d'un ferrite de titane nanomÃ©trique. European Physical Journal Special Topics, 1998, 08, Pr5-99-Pr5-107.	0.2	0
78	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. Journal of Nanoscience and Nanotechnology, 2019, 19, 4920-4929.	0.9	0
79	Antiâ€Platelet Effect: Antiâ€Platelet Effect Induced by Iron Oxide Nanoparticles: Correlation with Conformational Change in Fibrinogen (Small 1/2021). Small, 2021, 17, 2170003.	10.0	0
80	PhÃ©nomÃ¨nes de sÃ©grÃ©gation dans les ferrites de titane nanomÃ©triques : apports complÃ©mentaires de diffÃ©rentes techniques expÃ©rimentales (DRX, XPS, EXAFS ...). European Physical Journal Special Topics, 2002, 12, 473-480.	0.2	0
81	Suivi par diffraction de rayons X â€œin situâ€•de l'Ã©volution du paramÃ¨tre de maille du ferrite nanomÃ©trique Î³-Fe2O3lors de l'isotherme d'adsorption d'eau. European Physical Journal Special Topics, 2002, 12, 487-498.	0.2	0
82	Preclinical development of a docetaxel nanocarrier to enhance prostate cancer radiosensitivity.. Journal of Clinical Oncology, 2015, 33, 41-41.	1.6	0
83	Mechanosynthesis of carbonate and lithium co-substituted hydroxyfluorapatite. Materials Research Bulletin, 2022, 150, 111750.	5.2	0