Marc Verelst

List of Publications by Year
in descending order

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48 papers	2,627 citations	218677 26 h-index	206112 48 g-index
48 all docs	48 docs citations	48 times ranked	3577 citing authors

#	Article	IF	Citations
1	Custom NIR Imaging of New Upâ€Conversion Multimodal Gadolinium Oxysulfide Nanoparticles. Particle and Particle Systems Characterization, 2021, 38, 2000216.	2.3	5
2	Preparation of activated carbon/chitosan/Carica papaya seeds composite for efficient adsorption of cationic dye from aqueous solution. Surfaces and Interfaces, 2020, 21, 100741.	3.0	20
3	Multimodal gadolinium oxysulfide nanoparticles for bioimaging: A comprehensive biodistribution, elimination and toxicological study. Acta Biomaterialia, 2020, 108, 261-272.	8.3	11
4	Effect of ytterbium amount on LaNbO4:Tm3+,Yb3+ nanoparticles for bio-labelling applications. Advances in Medical Sciences, 2020, 65, 324-331.	2.1	8
5	Removal of atrazine from aqueous solutions onto a magnetite/chitosan/activated carbon composite in a fixed-bed column system: optimization using response surface methodology. RSC Advances, 2020, 10, 41588-41599.	3.6	11
6	Adsorption of Indigo Carmine from Aqueous Solution by Chitosan and Chitosan/Activated Carbon Composite: Kinetics, Isotherms and Thermodynamics Studies. Fibers and Polymers, 2019, 20, 1820-1832.	2.1	41
7	Characterization and application of alkali-soluble polysaccharide of Carica papaya seeds for removal of indigo carmine and Congo red dyes from single and binary solutions. Journal of Environmental Chemical Engineering, 2019, 7, 103343.	6.7	37
8	Evaluation of upconverting nanoparticles towards heart theranostics. PLoS ONE, 2019, 14, e0225729.	2.5	7
9	Physico-chemical Characterization of Siliceous Sands from HouÃ©yogbÃ© in Benin Republic (West Africa): Potentialities of Use in Glass Industry. Silicon, 2019, 11, 2015-2023.	3.3	10
10	Effect of gadolinium incorporation on the structure and luminescence properties of niobium-based materials. Nanotechnology, 2018, 29, 235204.	2.6	6
11	Multimodal gadolinium oxysulfide nanoparticles: a versatile contrast agent for mesenchymal stem cell labeling. Nanoscale, 2018, 10, 16775-16786.	5.6	20
12	A Photosensitizer Lanthanide Nanoparticle Formulation that Induces Singlet Oxygen with Direct Light Excitation, But Not By Photon or Xâ€ray Energy Transfer. Photochemistry and Photobiology, 2017, 93, 1439-1448.	2.5	7
13	Silicaâ€Based Nanoparticles as Bifunctional and Bimodal Imaging Contrast Agents. ChemPlusChem, 2017, 82, 770-777.	2.8	9
14	Simple and economic elaboration of high purity CaCO₃ particles for bone graft applications using a spray pyrolysis technique. Journal of Materials Chemistry B, 2017, 5, 6897-6907.	5.8	2
15	Influence of Bi3+ ions on the excitation wavelength of the YVO4:Eu3+ matrix. Optical Materials, 2016, 62, 12-18.	3.6	14
16	Time-gated luminescence bioimaging with new luminescent nanocolloids based on [Mo₆I₈(C₂F₅COO)₆]^{2â^'}metal atom clusters. Physical Chemistry Chemical Physics, 2016, 18, 30166-30173.	2.8	53
17	Luminescence properties of Eu-complex formations into ordered mesoporous silica particles obtained by the spray pyrolysis process. Nanotechnology, 2015, 26, 335604.	2.6	22
18	Thermal and rheological characterization of antibacterial nanocomposites. Journal of Thermoplastic Composite Materials, 2014, 27, 268-284.	4.2	12

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19	Gadolinium oxysulfide nanoparticles as multimodal imaging agents for T₂-weighted MR, X-ray tomography and photoluminescence. Nanoscale, 2014, 6, 555-564.	5.6	59
20	Preparation and characterization of isotactic polypropylene/zinc oxide microcomposites with antibacterial activity. Polymer Journal, 2013, 45, 938-945.	2.7	40
21	APTES-Modified RE₂O₃:Eu³⁺ Luminescent Beads: Structure and Properties. Langmuir, 2012, 28, 3962-3971.	3.5	31
22	New nanoplatform based on Gd2O2S:Eu3+ core: synthesis, characterization and use for in vitro bio-labelling. Journal of Materials Chemistry, 2011, 21, 18365.	6.7	56
23	Synthesis and characterization of thermoplastic composites filled with Î³â€boehmite for fire resistance. Fire and Materials, 2011, 35, 491-504.	2.0	10
24	Synthesis and Structureâ€“Property Correlation in Shapeâ€Controlled ZnO Nanoparticles Prepared by Chemical Vapor Synthesis and their Application in Dyeâ€Sensitized Solar Cells. Advanced Functional Materials, 2009, 19, 875-886.	14.9	67
25	Electro-precipitation of magnetite nanoparticles: An electrochemical study. Electrochimica Acta, 2009, 55, 155-158.	5.2	30
26	Electro-precipitation of Fe3O4 nanoparticles in ethanol. Journal of Magnetism and Magnetic Materials, 2008, 320, 2311-2315.	2.3	73
27	Self-supported silver nanoparticles containing bacterial cellulose membranes. Materials Science and Engineering C, 2008, 28, 515-518.	7.3	166
28	Electrochemical synthesis of cobalt nickel nanowires in an ethanolâ€“water bath. Materials Letters, 2008, 62, 2106-2109.	2.6	11
29	Large scale synthesis of zinc oxide nanorods by homogeneous chemical vapour deposition and their characterisation. Surface and Coatings Technology, 2007, 201, 9200-9204.	4.8	33
30	Highly stable Ag nanoparticles in agar-agar matrix as inorganicâ€“organic hybrid. Journal of Nanoparticle Research, 2007, 9, 561-567.	1.9	22
31	Photoinduced Magnetization in Copper Octacyanomolybdate. Journal of the American Chemical Society, 2006, 128, 270-277.	13.7	257
32	A Range of Spin-Crossover TemperatureT1/2>300 K Results from Out-of-Sphere Anion Exchange in a Series of Ferrous Materials Based on the 4-(4-Imidazolylmethyl)-2-(2-imidazolylmethyl)imidazole (trim) Ligand, [Fe(trim)2]X2 (X=F, Cl, Br, I): Comparison of Experimental Results with Those Derived from Density Functional Theory Calculations. Chemistry - A European Journal, 2006, 12, 7421-7432.	3.3	75
33	Elaboration by spray pyrolysis and characterization in the VUV range of phosphor particles with spherical shape and micronic size. Journal Physics D: Applied Physics, 2005, 38, 3261-3268.	2.8	18
34	Pt Nanoparticles Dispersed in a Mesostrucured Silica Matrix: Towards Self-Organized 3D Nanocomposite. ChemPhysChem, 2003, 4, 514-517.	2.1	5
35	Synthesis, Structure, and Magnetic Properties of Tetranuclear Cubane-like and Chain-like Iron(II) Complexes Based on the N4O Pentadentate Dinucleating Ligand 1,5-Bis[(2-pyridylmethyl)amino]pentan-3-ol. Inorganic Chemistry, 2002, 41, 1478-1491.	4.0	94
36	Long-range structuring of nanoparticles by mimicry of a cholesteric liquid crystal. Nature Materials, 2002, 1, 229-231.	27.5	142

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37	Unprecedented Ferromagnetic Interaction in Homobinuclear Erbium and Gadolinium Complexes: Structural and Magnetic Studies. Angewandte Chemie - International Edition, 2002, 41, 323-325.	13.8	187
38	Structural and Photomagnetic Studies of Two Compounds in the System Cu2+/Mo(CN)84-: From Trinuclear Molecule to Infinite Networkâ€. Inorganic Chemistry, 2001, 40, 1151-1159.	4.0	170
39	Structural and photo-induced magnetic properties of MII2[WIV(CN)8]Â·xH2O (M=Fe and x=8, Cu and x=5). Comparison with CuII2[MoIV(CN)8]Â·7.5H2O. Inorganica Chimica Acta, 2001, 326, 27-36.	2.4	71
40	Structural Studies and Magnetic Properties of Polymeric Ladder-Type Compounds {Ln2[Ni(opba)]3}Â·S (Ln = Lanthanide Element; opba =o-Phenylenebis(oxamato), S = Solvent Molecules). Chemistry of Materials, 2000, 12, 3073-3079.	6.7	77
41	Synthesis and Characterization of CoO, Co3O4, and Mixed Co/CoO Nanoparticules. Chemistry of Materials, 1999, 11, 2702-2708.	6.7	162
42	Synthesis and Structural Study by Wide-Angle X-ray Scattering (WAXS) of Polymeric {Ln2[M(opba)]3}Â·S Compounds Containing 4f LnIII and 3d MII {Ln2[M(opba)]3}Â·S Ions [opba =ortho-Phenylenebis(oxamato), S = Solvent Molecules]. European Journal of Inorganic Chemistry, 1999, 1999, 527-531.	2.0	33
43	Synthesis of Nickel Nanoparticles. Influence of Aggregation Induced by Modification of Poly(vinylpyrrolidone) Chain Length on Their Magnetic Properties. Chemistry of Materials, 1999, 11, 526-529.	6.7	248
44	Spectroscopic Determination of Magnetic Exchange Parameters and Structural Geometry for Trinuclear Compounds:â€‰ (CuL)2MnÂ·xB (L = N-(4-Methyl-6-oxo-3-azahept-4-enyl)oxamato and B = (CH3)2SO) TJETQq0 0 rgBT /Ov	4.0	80
45	Structural Study by Wide-Angle X-ray Scattering of the Spin Transition Molecular Materials [Fe(Htrz)2(trz)](BF4) and [Fe(NH2trz)3](NO3)2(Htrz = 1,2,4-4H-Triazole, trz = 1,2,4-Triazolato). Chemistry of Materials, 1998, 10, 980-985.	6.7	67
46	Tetranuclear Tetrapyrido[3,2-a:2â€˜,3â€˜-c:3â€˜â€˜,2â€˜â€˜-h:2â€˜â€˜â€˜,3â€˜â€˜â€˜-j]phenazineruthenium Complex:â€‰ Synthesis, Wi X-ray Scattering, and Photophysical Studies. Inorganic Chemistry, 1998, 37, 3603-3609.	4.0	60
47	A Wide Angle X-Ray Scattering (WAXS) Study of Nonstoichiometric Nickel Manganite Spinels NiMn2â–¡3Î´/4O4+Î´. Journal of Solid State Chemistry, 1997, 129, 271-276.	2.9	20
48	[FeII(TRIM)2]F2, the First Example of Spin Conversion Monitored by Molecular Vibrations. Inorganic Chemistry, 1996, 35, 110-115.	4.0	40