

# Francesco Orsini

## List of Publications by Year in descending order

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53  
papers

1,663  
citations

304743

22  
h-index

289244

40  
g-index

54  
all docs

54  
docs citations

54  
times ranked

2815  
citing authors

#	ARTICLE	IF	CITATIONS
1	How Xylenol Orange and Ferrous Ammonium Sulphate Influence the Dosimetric Properties of PVA-GTA Fricke Gel Dosimeters: A Spectrophotometric Study. <i>Gels</i> , 2022, 8, 204.	4.5	11
2	Nanosized T1 MRI Contrast Agent Based on a Polyamidoamine as Multidentate Gd Ligand. <i>Molecules</i> , 2022, 27, 174.	3.8	3
3	Coating Effect on the $^1\text{H}$ NMR Relaxation Properties of Iron Oxide Magnetic Nanoparticles. <i>Nanomaterials</i> , 2020, 10, 1660.	4.1	8
4	Hadron Therapy, Magnetic Nanoparticles and Hyperthermia: A Promising Combined Tool for Pancreatic Cancer Treatment. <i>Nanomaterials</i> , 2020, 10, 1919.	4.1	55
5	Tailoring the magnetic core of organic-coated iron oxides nanoparticles to influence their contrast efficiency for Magnetic Resonance Imaging. <i>Journal of Alloys and Compounds</i> , 2019, 770, 58-66.	5.5	22
6	In-gel study of the effect of magnetic nanoparticles immobilization on their heating efficiency for application in Magnetic Fluid Hyperthermia. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 471, 504-512.	2.3	28
7	Inhibition of lysozyme fibrillogenesis by hydroxytyrosol and dopamine: An Atomic Force Microscopy study. <i>International Journal of Biological Macromolecules</i> , 2018, 111, 1100-1105.	7.5	15
8	Superparamagnetic iron oxide nanoparticles functionalized by peptide nucleic acids. <i>RSC Advances</i> , 2017, 7, 15500-15512.	3.6	43
9	Optimized PAMAM coated magnetic nanoparticles for simultaneous hyperthermic treatment and contrast enhanced MRI diagnosis. <i>RSC Advances</i> , 2017, 7, 44104-44111.	3.6	9
10	On the magnetic anisotropy and nuclear relaxivity effects of Co and Ni doping in iron oxide nanoparticles. <i>Journal of Applied Physics</i> , 2016, 119, .	2.5	19
11	Characterization of magnetic nanoparticles from <i>Magnetospirillum Gryphiswaldense</i> as potential theranostics tools. <i>Contrast Media and Molecular Imaging</i> , 2016, 11, 139-145.	0.8	34
12	Reversible Dissolution of Microdomains in Detergent-Resistant Membranes at Physiological Temperature. <i>PLoS ONE</i> , 2015, 10, e0132696.	2.5	2
13	Electron Spin Resonance and Atomic Force Microscopy Study on Gadolinium Doped Ceria. <i>Journal of Spectroscopy</i> , 2015, 2015, 1-6.	1.3	3
14	MR imaging and targeting of human breast cancer cells with folate decorated nanoparticles. <i>RSC Advances</i> , 2015, 5, 39760-39770.	3.6	12
15	Local spin dynamics at low temperature in the slowly relaxing molecular chain $[\text{Dy}(\text{hfac})_3\{\text{NIT}(\text{C}_6\text{H}_4\text{OPh})\}]$ : A $^1/4$ spin relaxation study. <i>Journal of Applied Physics</i> , 2015, 117, 17B310.	2.5	2
16	Percolating hierarchical defect structures drive phase transformation in $\text{Ce}_{1-x}\text{Gd}_x\text{O}_2$ : a total scattering study. <i>IUCr</i> , 2015, 2, 511-522.	2.2	24
17	Atomic force microscopy on plasma membranes from <i>Xenopus laevis</i> oocytes containing human aquaporin 4. <i>Journal of Molecular Recognition</i> , 2014, 27, 669-675.	2.1	1
18	Colloidal assemblies of oriented maghemite nanocrystals and their NMR relaxometric properties. <i>Dalton Transactions</i> , 2014, 43, 8395-8404.	3.3	35

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19	Superparamagnetic iron oxide nanoparticles stabilized by a poly(amidoamine)-rhenium complex as potential theranostic probe. Dalton Transactions, 2014, 43, 1172-1183.	3.3	18
20	Synthesis of pseudopolyrotaxanes-coated Superparamagnetic Iron Oxide Nanoparticles as new MRI contrast agent. Colloids and Surfaces B: Biointerfaces, 2013, 103, 652-657.	5.0	15
21	Hybrid iron oxide-copolymer micelles and vesicles as contrast agents for MRI: impact of the nanostructure on the relaxometric properties. Journal of Materials Chemistry B, 2013, 1, 5317.	5.8	56
22	Magnetism and spin dynamics of novel encapsulated iron oxide superparamagnetic nanoparticles. Dalton Transactions, 2013, 42, 10282.	3.3	4
23	Imaging of <i>Xenopus laevis</i> Oocyte Plasma Membrane in Physiological-Like Conditions by Atomic Force Microscopy. Microscopy and Microanalysis, 2013, 19, 1358-1363.	0.4	3
24	Atomic force microscopy imaging of lipid rafts of human breast cancer cells. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 2943-2949.	2.6	31
25	Chemical Physical Changes in Cell Membrane Microdomains of Breast Cancer Cells After Omega-3 PUFA Incorporation. Cell Biochemistry and Biophysics, 2012, 64, 45-59.	1.8	77
26	Breast cancer cell's lipid rafts modifications by n-3 polyunsaturated fatty acids. Chemistry and Physics of Lipids, 2010, 163, S28.	3.2	0
27	Observing <i>Xenopus laevis</i> oocyte plasma membrane by atomic force microscopy. Methods, 2010, 51, 106-113.	3.8	7
28	Muon spin relaxation investigation of tetranuclear iron(III) $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle$		

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37	Cold plasma-induced modification of the dyeing properties of poly(ethylene terephthalate) fibers. <i>Applied Surface Science</i> , 2006, 252, 2265-2275.	6.1	100
38	Atomic force microscopy characterization of <i>Xenopus laevis</i> oocyte plasma membrane. <i>Microscopy Research and Technique</i> , 2006, 69, 826-834.	2.2	7
39	Comparison between gamma and beta irradiation effects on hydroxypropylmethylcellulose and gelatin hard capsules. <i>AAPS PharmSciTech</i> , 2005, 6, E586-E593.	3.3	14
40	Wettability and Dyeability Modulation of Poly(ethylene terephthalate) Fibers through Cold SF6 Plasma Treatment. <i>Plasma Processes and Polymers</i> , 2005, 2, 64-72.	3.0	40
41	Read-out of soft x-ray contact microscopy microradiographs by focused ion beam/scanning electron microscope. <i>Scanning</i> , 2005, 27, 249-253.	1.5	6
42	Optical and structural properties of siliconlike films prepared by plasma-enhanced chemical-vapor deposition. <i>Journal of Applied Physics</i> , 2005, 97, 023533.	2.5	26
43	Soft X-ray contact microscopy of nematode <i>Caenorhabditis elegans</i> . <i>European Physical Journal D</i> , 2004, 30, 235-241.	1.3	8
44	X-ray microscopy and imaging of <i>Caenorhabditis elegans</i> nematode using a laser-plasma-pulsed x-ray source. , 2004, , .		0
45	Poly(lactide-co-glycolide) microspheres containing bupivacaine: comparison between gamma and beta irradiation effects. <i>Journal of Controlled Release</i> , 2003, 90, 281-290.	9.9	54
46	Characterization of plasma processing for polymers. <i>Surface and Coatings Technology</i> , 2003, 174-175, 886-890.	4.8	32
47	Atomic force microscopy investigation of cold-plasma-treated poly(ethyleneterephthalate) textiles. <i>Surface and Interface Analysis</i> , 2003, 35, 410-412.	1.8	7
48	Cold plasma treatment of PET fabrics: AFM surface morphology characterisation. <i>Applied Surface Science</i> , 2003, 219, 311-316.	6.1	82
49	X-ray microscopy of living multicellular organisms with the Prague Asterix Iodine Laser System. <i>Laser and Particle Beams</i> , 2003, 21, 511-516.	1.0	8
50	Classification and Identification of Enterococci: a Comparative Phenotypic, Genotypic, and Vibrational Spectroscopic Study. <i>Journal of Clinical Microbiology</i> , 2001, 39, 1763-1770.	3.9	222
51	Investigating Microbial (Micro)colony Heterogeneity by Vibrational Spectroscopy. <i>Applied and Environmental Microbiology</i> , 2001, 67, 1461-1469.	3.1	227
52	FT-IR microspectroscopy for microbiological studies. <i>Journal of Microbiological Methods</i> , 2000, 42, 17-27.	1.6	88
53	DNA bending by photolyase in specific and non-specific complexes studied by atomic force microscopy. <i>Nucleic Acids Research</i> , 1999, 27, 3875-3880.	14.5	42