

Quentin A Pankhurst

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1163889/publications.pdf>

Version: 2024-02-01

64
papers

8,777
citations

257357

24
h-index

114418

63
g-index

66
all docs

66
docs citations

66
times ranked

11411
citing authors

#	ARTICLE	IF	CITATIONS
1	Prenormative verification and validation of a protocol for measuring magnetite/maghemite ratios in magnetic nanoparticles. <i>Metrologia</i> , 2022, 59, 015001.	0.6	8
2	Challenges and recommendations for magnetic hyperthermia characterization measurements. <i>International Journal of Hyperthermia</i> , 2021, 38, 447-460.	1.1	33
3	Deep-tissue localization of magnetic field hyperthermia using pulse sequencing. <i>International Journal of Hyperthermia</i> , 2021, 38, 743-754.	1.1	15
4	Development of an in-line magnetometer for flow chemistry and its demonstration for magnetic nanoparticle synthesis. <i>Lab on A Chip</i> , 2021, 21, 3775-3783.	3.1	7
5	Radiobiological Implications of Nanoparticles Following Radiation Treatment. <i>Particle and Particle Systems Characterization</i> , 2020, 37, 1900411.	1.2	14
6	Surface radio-mineralisation mediates chelate-free radiolabelling of iron oxide nanoparticles. <i>Chemical Science</i> , 2019, 10, 2592-2597.	3.7	15
7	Using the "dispersion-retention-formulation method"™ to estimate clinical and preclinical dosage limits for interstitial nanomedicines or agents. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 473, 74-78.	1.0	4
8	Commentary on the clinical and preclinical dosage limits of interstitially administered magnetic fluids for therapeutic hyperthermia based on current practice and efficacy models. <i>International Journal of Hyperthermia</i> , 2018, 34, 671-686.	1.1	41
9	Environmental oxidative aging of iron oxide nanoparticles. <i>Applied Physics Letters</i> , 2018, 113, .	1.5	19
10	On the "centre of gravity"™ method for measuring the composition of magnetite/maghemite mixtures, or the stoichiometry of magnetite-maghemite solid solutions, via ^{57}Fe Mössbauer spectroscopy. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 265005.	1.3	75
11	Standardisation of magnetic nanoparticles in liquid suspension. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 383003.	1.3	56
12	Magnetic Oculomotor Prosthetics for Acquired Nystagmus. <i>Ophthalmology</i> , 2017, 124, 1556-1564.	2.5	9
13	Hyperthermia treatment of tumors by mesenchymal stem cell-delivered superparamagnetic iron oxide nanoparticles. <i>International Journal of Nanomedicine</i> , 2016, 11, 1973.	3.3	53
14	Magnetic hyperthermia controlled drug release in the GI tract: solving the problem of detection. <i>Scientific Reports</i> , 2016, 6, 34271.	1.6	23
15	Uncertainty budget for determinations of mean isomer shift from Mössbauer spectra. <i>Hyperfine Interactions</i> , 2016, 237, 1.	0.2	12
16	Biomedical applications of high gradient magnetic separation: progress towards therapeutic haemofiltration. <i>Biomedizinische Technik</i> , 2015, 60, 393-404.	0.9	5
17	High performance multi-core iron oxide nanoparticles for magnetic hyperthermia: microwave synthesis, and the role of core-to-core interactions. <i>Nanoscale</i> , 2015, 7, 1768-1775.	2.8	209
18	On the reliable measurement of specific absorption rates and intrinsic loss parameters in magnetic hyperthermia materials. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 495003.	1.3	288

#	ARTICLE	IF	CITATIONS
19	Magnetic Nanoparticles for in Vivo Use: A Critical Assessment of Their Composition. <i>Journal of Physical Chemistry B</i> , 2014, 118, 11738-11746.	1.2	59
20	Elucidating the morphological and structural evolution of iron oxide nanoparticles formed by sodium carbonate in aqueous medium. <i>Journal of Materials Chemistry</i> , 2012, 22, 12498.	6.7	93
21	Magnetic Tagging Increases Delivery of Circulating Progenitors in Vascular Injury. <i>JACC: Cardiovascular Interventions</i> , 2009, 2, 794-802.	1.1	124
22	Suitability of commercial colloids for magnetic hyperthermia. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 1509-1513.	1.0	397
23	Corrigendum to "Suitability of commercial colloids for magnetic hyperthermia" [J. Magn. Magn. Mater. 321 (2009) 1509-1513]. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 3650-3651.	1.0	26
24	Progress in applications of magnetic nanoparticles in biomedicine. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 224001.	1.3	1,246
25	Increased Levels of Magnetic Iron Compounds in Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2008, 13, 49-52.	1.2	123
26	Neutron spin echo evidence of mesoscopic spin correlations among Fe(Cu) ferromagnetic nanoparticles in a silver diamagnetic matrix. <i>Physical Review B</i> , 2007, 76, .	1.1	11
27	Size and Concentration Effects on High Frequency Hysteresis of Iron Oxide Nanoparticles. <i>IEEE Transactions on Magnetics</i> , 2007, 43, 2451-2453.	1.2	87
28	Self propagating high temperature synthesis of magnesium zinc ferrites (Mg _x Zn _{1-x} Fe ₂ O ₃): thermal imaging and time resolved X-ray diffraction experiments. <i>Journal of Materials Chemistry</i> , 2004, 14, 1104-1111.	6.7	21
29	The magnetic structure of Fe ₇₈ Si ₉ B ₁₃ commercial metallic glasses. <i>Europhysics Letters</i> , 2004, 68, 582-588.	0.7	3
30	Applications of magnetic nanoparticles in biomedicine. <i>Journal Physics D: Applied Physics</i> , 2003, 36, R167-R181.	1.3	5,148
31	Iron-containing materials FeM (M = B, Cr, Ti or VN) prepared by self-propagating high-temperature synthesis. <i>Mendeleev Communications</i> , 2002, 12, 25-26.	0.6	3
32	On the nature of iron species in iron substituted aluminophosphates. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 5421-5429.	1.3	36
33	Exchange-Driven Magnetic Anomalies in Fe-Zr-B-Based Nanocomposites. <i>Hyperfine Interactions</i> , 2002, 144/145, 223-230.	0.2	1
34	Self-propagating high-temperature synthesis of chromium substituted lanthanum orthoferrites LaFe _{1-x} Cr _x O ₃ (0 ≤ x ≤ 1). <i>Journal of Materials Chemistry</i> , 2001, 11, 854-858.	6.7	31
35	Moment canting and structural anisotropy in amorphous alloys: experiments using synchrotron Mössbauer radiation. <i>Journal of Non-Crystalline Solids</i> , 2001, 287, 81-87.	1.5	15
36	Self-propagating high temperature synthesis of BaFe ₁₂ O ₁₉ , Mg _{0.5} Zn _{0.5} Fe ₂ O ₄ and Li _{0.5} Fe _{2.5} O ₄ ; time resolved X-ray diffraction studies (TRXRD). <i>Journal of Materials Chemistry</i> , 2001, 11, 193-199.	6.7	22

#	ARTICLE	IF	CITATIONS
37	Novel SHS routes to CoTi-doped M-type ferrites. Journal of Materials Science: Materials in Electronics, 2001, 12, 533-536.	1.1	5
38	Combustion Synthesis of BaFe ₁₂ O ₁₉ in an External Magnetic Field: Time-Resolved X-ray Diffraction (TRXRD) Studies. Advanced Materials, 2000, 12, 1359-1362.	11.1	23
39	Self-propagating high temperature synthesis of yttrium iron chromium garnets Y ₃ Fe _{5-x} Cr _x O ₁₂ (0 ≤ x ≤ 1). Journal of Materials Chemistry, 2000, 10, 1925-1932.	6.7	33
40	A structural study of haematite samples prepared from sulfated goethite precursors: the generation of axial mesoporous voids. Journal of Materials Chemistry, 2000, 10, 761-766.	6.7	17
41	The effect of large magnetic fields on solid state combustion reactions: novel microstructure, lattice contraction and reduced coercivity in barium hexaferrite. Journal of Materials Chemistry, 2000, 10, 235-237.	6.7	24
42	Microstructural aspects of the self-propagating high temperature synthesis of hexagonal barium ferrites in an external magnetic field. Journal of Materials Chemistry, 2000, 10, 1925-1932.	6.7	33
43	Thermal Treatment of Iron-Copper Metastable Alloys. Magyar Árvilág, 1999, 56, 239-245.	1.4	5
44	Synthesis of Amorphous Fe-Zr-B by Chemical Reduction. Journal of Materials Science Letters, 1999, 18, 425-426.	0.5	0
45	Preparation of FeMnB Alloys by Chemical Reduction. Journal of Materials Science Letters, 1999, 18, 39-40.	0.5	2
46	A convenient method for measuring ferric iron in magnesiowustite (MgO-Fe (sub 1-x) O). American Mineralogist, 1998, 83, 794-798.	0.9	25
47	Investigation of the ternary phase diagram of mechanically alloyed FeCuAg. Journal of Physics Condensed Matter, 1997, 9, 3259-3276.	0.7	22
48	Structural and magnetic anisotropy in amorphous alloy ribbons. Journal of Physics Condensed Matter, 1997, 9, L375-L383.	0.7	5
49	Superparamagnetic particles in ZSM-5 type ferrisilicates. Journal of Materials Research, 1997, 12, 1519-1529.	1.2	25
50	Moment canting in amorphous FeSiB ribbons in applied fields: unpolarized Mossbauer effect studies. Journal of Physics Condensed Matter, 1995, 7, 9571-9593.	0.7	9
51	Inorganic-Protein Interactions in the Synthesis of a Ferrimagnetic Nanocomposite. ACS Symposium Series, 1995, , 19-28.	0.5	5
52	Magnetic defect structure of iron-rich Fe _x O. Hyperfine Interactions, 1994, 94, 1989-1993.	0.2	3
53	A double-Gaussian approach to the moment distribution in amorphous metals. Hyperfine Interactions, 1994, 94, 2137-2143.	0.2	4
54	Applied field Mossbauer studies of the iron storage proteins ferritin and haemosiderin. Hyperfine Interactions, 1994, 91, 821-826.	0.2	6

#	ARTICLE	IF	CITATIONS
55	Mössbauer spectroscopic and magnetic studies of magnetoferritin. <i>Hyperfine Interactions</i> , 1994, 91, 847-851.	0.2	20
56	The magnetism of fine particle iron oxides and oxyhydroxides in applied fields. <i>Hyperfine Interactions</i> , 1994, 90, 201-214.	0.2	14
57	Fine-particle magnetic oxides. <i>Journal of Physics Condensed Matter</i> , 1993, 5, 8487-8508.	0.7	73
58	Moment canting in 3d-based amorphous ferromagnets. <i>Journal of Physics Condensed Matter</i> , 1993, 5, 3275-3288.	0.7	16
59	Structural and Magnetic Properties of Ferrihydrite. <i>Clays and Clay Minerals</i> , 1992, 40, 268-272.	0.6	70
60	Magnetic structure of ludlamite, $\text{Fe}_3(\text{PO}_4)_2 \cdot 4\text{H}_2\text{O}$. <i>Hyperfine Interactions</i> , 1990, 54, 651-653.	0.2	5
61	A Mössbauer study of the magnetism of the alloy series $\text{FeAl}_{1-x}\text{Cu}_x$ ($0 < x \leq 0.4$). <i>Hyperfine Interactions</i> , 1990, 54, 817-820.	0.2	2
62	Studies of oxides related to high temperature superconductors. <i>Hyperfine Interactions</i> , 1990, 55, 1387-1391.	0.2	5
63	The effect of misalignment on the spin-flop transition in K_2FeF_5 . <i>Hyperfine Interactions</i> , 1988, 41, 505-508.	0.2	4
64	Chemical Reactions in Applied Magnetic Fields. , 0, , 467-481.		0