

Quentin A Pankhurst

List of Publications by Year in descending order

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64
papers

8,777
citations

257450

24
h-index

114465

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.	1.2	8
2	Challenges and recommendations for magnetic hyperthermia characterization measurements. <i>International Journal of Hyperthermia</i> , 2021, 38, 447-460.	2.5	33
3	Deep-tissue localization of magnetic field hyperthermia using pulse sequencing. <i>International Journal of Hyperthermia</i> , 2021, 38, 743-754.	2.5	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.	6.0	7
5	Radiobiological Implications of Nanoparticles Following Radiation Treatment. <i>Particle and Particle Systems Characterization</i> , 2020, 37, 1900411.	2.3	14
6	Surface radio-mineralisation mediates chelate-free radiolabelling of iron oxide nanoparticles. <i>Chemical Science</i> , 2019, 10, 2592-2597.	7.4	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.	2.3	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.	2.5	41
9	Environmental oxidative aging of iron oxide nanoparticles. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	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.	2.8	75
11	Standardisation of magnetic nanoparticles in liquid suspension. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 383003.	2.8	56
12	Magnetic Oculomotor Prosthetics for Acquired Nystagmus. <i>Ophthalmology</i> , 2017, 124, 1556-1564.	5.2	9
13	Hyperthermia treatment of tumors by mesenchymal stem cell-delivered superparamagnetic iron oxide nanoparticles. <i>International Journal of Nanomedicine</i> , 2016, 11, 1973.	6.7	53
14	Magnetic hyperthermia controlled drug release in the GI tract: solving the problem of detection. <i>Scientific Reports</i> , 2016, 6, 34271.	3.3	23
15	Uncertainty budget for determinations of mean isomer shift from Mössbauer spectra. <i>Hyperfine Interactions</i> , 2016, 237, 1.	0.5	12
16	Biomedical applications of high gradient magnetic separation: progress towards therapeutic haemofiltration. <i>Biomedizinische Technik</i> , 2015, 60, 393-404.	0.8	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.	5.6	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.	2.8	288

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19	Magnetic Nanoparticles for in Vivo Use: A Critical Assessment of Their Composition. Journal of Physical Chemistry B, 2014, 118, 11738-11746.	2.6	59
20	Elucidating the morphological and structural evolution of iron oxide nanoparticles formed by sodium carbonate in aqueous medium. Journal of Materials Chemistry, 2012, 22, 12498.	6.7	93
21	Magnetic Tagging Increases Delivery of Circulating Progenitors in Vascular Injury. JACC: Cardiovascular Interventions, 2009, 2, 794-802.	2.9	124
22	Suitability of commercial colloids for magnetic hyperthermia. Journal of Magnetism and Magnetic Materials, 2009, 321, 1509-1513.	2.3	397
23	Corrigendum to "Suitability of commercial colloids for magnetic hyperthermia" [J. Magn. Magn. Mater. 321 (2009) 1509-1513]. Journal of Magnetism and Magnetic Materials, 2009, 321, 3650-3651.	2.3	26
24	Progress in applications of magnetic nanoparticles in biomedicine. Journal Physics D: Applied Physics, 2009, 42, 224001.	2.8	1,246
25	Increased Levels of Magnetic Iron Compounds in Alzheimer's Disease. Journal of Alzheimer's Disease, 2008, 13, 49-52.	2.6	123
26	Neutron spin echo evidence of mesoscopic spin correlations among Fe(Cu) ferromagnetic nanoparticles in a silver diamagnetic matrix. Physical Review B, 2007, 76, .	3.2	11
27	Size and Concentration Effects on High Frequency Hysteresis of Iron Oxide Nanoparticles. IEEE Transactions on Magnetics, 2007, 43, 2451-2453.	2.1	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. Journal of Materials Chemistry, 2004, 14, 1104-1111.	6.7	21
29	The magnetic structure of Fe ₇₈ Si ₉ B ₁₃ commercial metallic glasses. Europhysics Letters, 2004, 68, 582-588.	2.0	3
30	Applications of magnetic nanoparticles in biomedicine. Journal Physics D: Applied Physics, 2003, 36, R167-R181.	2.8	5,148
31	Iron-containing materials FeM (M = B, Cr, Ti or VN) prepared by self-propagating high-temperature synthesis. Mendeleev Communications, 2002, 12, 25-26.	1.6	3
32	On the nature of iron species in iron substituted aluminophosphates. Physical Chemistry Chemical Physics, 2002, 4, 5421-5429.	2.8	36
33	Exchange-Driven Magnetic Anomalies in Fe-Zr-B-Based Nanocomposites. Hyperfine Interactions, 2002, 144/145, 223-230.	0.5	1
34	Self-propagating high-temperature synthesis of chromium substituted lanthanum orthoferrites LaFe _{1-x} Cr _x O ₃ (0 ≤ x ≤ 1). Journal of Materials Chemistry, 2001, 11, 854-858.	6.7	31
35	Moment canting and structural anisotropy in amorphous alloys: experiments using synchrotron Mössbauer radiation. Journal of Non-Crystalline Solids, 2001, 287, 81-87.	3.1	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). Journal of Materials Chemistry, 2001, 11, 193-199.	6.7	22

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37	Novel SHS routes to CoTi-doped M-type ferrites. Journal of Materials Science: Materials in Electronics, 2001, 12, 533-536.	2.2	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.	21.0	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.	1.9	25
47	Investigation of the ternary phase diagram of mechanically alloyed FeCuAg. Journal of Physics Condensed Matter, 1997, 9, 3259-3276.	1.8	22
48	Structural and magnetic anisotropy in amorphous alloy ribbons. Journal of Physics Condensed Matter, 1997, 9, L375-L383.	1.8	5
49	Superparamagnetic particles in ZSM-5 type ferrisilicates. Journal of Materials Research, 1997, 12, 1519-1529.	2.6	25
50	Moment canting in amorphous FeSiB ribbons in applied fields: unpolarized Mossbauer effect studies. Journal of Physics Condensed Matter, 1995, 7, 9571-9593.	1.8	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.	0.5	3
53	A double-Gaussian approach to the moment distribution in amorphous metals. Hyperfine Interactions, 1994, 94, 2137-2143.	0.5	4
54	Applied field Mossbauer studies of the iron storage proteins ferritin and haemosiderin. Hyperfine Interactions, 1994, 91, 821-826.	0.5	6

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55	Mössbauer spectroscopic and magnetic studies of magnetoferritin. <i>Hyperfine Interactions</i> , 1994, 91, 847-851.	0.5	20
56	The magnetism of fine particle iron oxides and oxyhydroxides in applied fields. <i>Hyperfine Interactions</i> , 1994, 90, 201-214.	0.5	14
57	Fine-particle magnetic oxides. <i>Journal of Physics Condensed Matter</i> , 1993, 5, 8487-8508.	1.8	73
58	Moment canting in 3d-based amorphous ferromagnets. <i>Journal of Physics Condensed Matter</i> , 1993, 5, 3275-3288.	1.8	16
59	Structural and Magnetic Properties of Ferrihydrite. <i>Clays and Clay Minerals</i> , 1992, 40, 268-272.	1.3	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.	0.5	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.	0.5	2
62	Studies of oxides related to high temperature superconductors. <i>Hyperfine Interactions</i> , 1990, 55, 1387-1391.	0.5	5
63	The effect of misalignment on the spin-flop transition in K_2FeF_5 . <i>Hyperfine Interactions</i> , 1988, 41, 505-508.	0.5	4
64	Chemical Reactions in Applied Magnetic Fields. , 0, , 467-481.		0