

# Jon P Dobson

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

155  
papers

14,597  
citations

51  
h-index

120  
g-index

164  
ext. papers

15,738  
ext. citations

4.8  
avg, IF

6.78  
L-index

#	Paper	IF	Citations
155	Magnetically triggered release of active TGF- $\beta$ from spin vortex microdiscs. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2021</b> , 546, 168732	2.8	
154	Magnetically Responsive Polymeric Microparticles for the Triggered Delivery of a Complex Mixture of Human Placental Proteins. <i>Macromolecular Bioscience</i> , <b>2021</b> , 21, e2000249	5.5	2
153	Model of Magnetic Particle Capture Under Physiological Flow Rates for Cytokine Removal During Cardiopulmonary Bypass. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2021</b> , 68, 1198-1207	5	1
152	Iron stored in ferritin is chemically reduced in the presence of aggregating A $\beta$ (1-42). <i>Scientific Reports</i> , <b>2020</b> , 10, 10332	4.9	14
151	Cytotoxic effect of PEI-coated magnetic nanoparticles on the regulation of cellular focal adhesions and actin stress fibres. <i>Materialia</i> , <b>2020</b> , 13, 100848	3.2	1
150	Use of magnetic capture to identify elevated levels of CCL2 following intra-articular injection of monoiodoacetate in rats. <i>Connective Tissue Research</i> , <b>2020</b> , 61, 485-497	3.3	2
149	Synchrotron XRF imaging of Alzheimer's disease basal ganglia reveals linear dependence of high-field magnetic resonance microscopy on tissue iron concentration. <i>Journal of Neuroscience Methods</i> , <b>2019</b> , 319, 28-39	3	6
148	Multifunctional nanoparticles for intracellular drug delivery and photoacoustic imaging of mesenchymal stem cells. <i>Drug Delivery and Translational Research</i> , <b>2019</b> , 9, 652-666	6.2	7
147	Remote manipulation of magnetic nanoparticles using magnetic field gradient to promote cancer cell death. <i>Applied Physics A: Materials Science and Processing</i> , <b>2019</b> , 125, 1	2.6	16
146	Magnetically triggered release of biologics. <i>International Materials Reviews</i> , <b>2019</b> , 64, 63-90	16.1	9
145	Carbodiimide Conjugation of Latent Transforming Growth Factor $\beta$ to Superparamagnetic Iron Oxide Nanoparticles for Remote Activation. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	10
144	Evaluation of magnetic nanoparticles for magnetic fluid hyperthermia. <i>International Journal of Hyperthermia</i> , <b>2019</b> , 36, 687-701	3.7	54
143	Practical bioinstrumentation developments for AC magnetic field-mediated magnetic nanoparticle heating applications. <i>Applied Physics A: Materials Science and Processing</i> , <b>2019</b> , 125, 1	2.6	5
142	Dendritic Cell-Activating Magnetic Nanoparticles Enable Early Prediction of Antitumor Response with Magnetic Resonance Imaging. <i>ACS Nano</i> , <b>2019</b> , 13, 13884-13898	16.7	31
141	Nanoscale synchrotron X-ray speciation of iron and calcium compounds in amyloid plaque cores from Alzheimer's disease subjects. <i>Nanoscale</i> , <b>2018</b> , 10, 11782-11796	7.7	59
140	Alternating current (AC) susceptibility as a particle-focused probe of coating and clustering behaviour in magnetic nanoparticle suspensions. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 532, 536-545	9.2	15
139	TMIC-12. TUMOR-HOMING RNA-NANOPARTICLES REPROGRAM IMMUNE CELLS IN THE BRAIN TUMOR MICROENVIRONMENT. <i>Neuro-Oncology</i> , <b>2018</b> , 20, vi258-vi258	1	78

138	Regenerative Medicine in the State of Florida: Letter Outlining the Florida Organization for Regenerative Medicine. <i>Stem Cells Translational Medicine</i> , <b>2018</b> , 7, 511-512	6.9	
137	2173 RNA-nanoparticles to enhance and track dendritic cell migration. <i>Journal of Clinical and Translational Science</i> , <b>2018</b> , 2, 26-26	0.4	78
136	Nanoscale Examination of Biological Tissues Using X-ray Spectromicroscopy. <i>Microscopy and Microanalysis</i> , <b>2018</b> , 24, 490-491	0.5	3
135	Magnetic nanoparticles loaded with functional RNA nanoparticles. <i>Nanoscale</i> , <b>2018</b> , 10, 17761-17770	7.7	27
134	Design and characterization of a magnetite/PEI multifunctional nanohybrid as non-viral vector and cell isolation system. <i>International Journal of Pharmaceutics</i> , <b>2017</b> , 518, 270-280	6.5	8
133	Iron Biochemistry is Correlated with Amyloid Plaque Morphology in an Established Mouse Model of Alzheimer's Disease. <i>Cell Chemical Biology</i> , <b>2017</b> , 24, 1205-1215.e3	8.2	95
132	Poly(Lactic Acid) Magnetic Microparticle Synthesis and Surface Functionalization. <i>IEEE Magnetism Letters</i> , <b>2017</b> , 8, 1-5	1.6	4
131	Oscillating Magnet Array-Based Nanomagnetic Gene Transfection: A Valuable Tool for Molecular Neurobiology Studies. <i>Nanomaterials</i> , <b>2017</b> , 7,	5.4	5
130	Magnetic particle translation as a surrogate measure for synovial fluid mechanics. <i>Journal of Biomechanics</i> , <b>2017</b> , 60, 9-14	2.9	2
129	Magnetic Capture of a Molecular Biomarker from Synovial Fluid in a Rat Model of Knee Osteoarthritis. <i>Annals of Biomedical Engineering</i> , <b>2016</b> , 44, 1159-69	4.7	8
128	Applications of magnetic nanoparticles in biomedicine: the story so far. <i>Journal Physics D: Applied Physics</i> , <b>2016</b> , 49, 501002	3	35
127	Controlled release of a heterogeneous human placental matrix from PLGA microparticles to modulate angiogenesis. <i>Drug Delivery and Translational Research</i> , <b>2016</b> , 6, 174-83	6.2	5
126	Investigation of the Capture of Magnetic Particles From High-Viscosity Fluids Using Permanent Magnets. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2016</b> , 63, 372-8	5	8
125	A coil system for real-time magnetic fluid hyperthermia microscopy studies. <i>International Journal of Hyperthermia</i> , <b>2016</b> , 32, 112-20	3.7	17
124	From oleic acid-capped iron oxide nanoparticles to polyethyleneimine-coated single-particle magnetofectins. <i>Journal of Nanoparticle Research</i> , <b>2016</b> , 18, 1	2.3	8
123	Directing cell therapy to anatomic target sites in vivo with magnetic resonance targeting. <i>Nature Communications</i> , <b>2015</b> , 6, 8009	17.4	103
122	An in vitro model of mesenchymal stem cell targeting using magnetic particle labelling. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2015</b> , 9, 724-33	4.4	27
121	DNA Targeting Sequence Improves Magnetic Nanoparticle-Based Plasmid DNA Transfection Efficiency in Model Neurons. <i>International Journal of Molecular Sciences</i> , <b>2015</b> , 16, 19369-86	6.3	12

120	DNA Aptamer Assembly as a Vascular Endothelial Growth Factor Receptor Agonist. <i>Nucleic Acid Therapeutics</i> , <b>2015</b> , 25, 227-34	4.8	36
119	Remotely Triggered Activation of TGF- With Magnetic Nanoparticles. <i>IEEE Magnetics Letters</i> , <b>2015</b> , 6, 1-4	1.6	13
118	In situ measurement of magnetization relaxation of internalized nanoparticles in live cells. <i>ACS Nano</i> , <b>2015</b> , 9, 231-40	16.7	98
117	Control of smooth muscle $\beta$ actin (SMA) up-regulation in HBMSCs using remote magnetic particle mechano-activation. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2014</b> , 10, 45-55	6	36
116	Evidence of redox-active iron formation following aggregation of ferrihydrite and the Alzheimer's disease peptide $\beta$ amyloid. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 2803-9	5.1	39
115	Probing Osteoarthritis Biomarkers with Magnetic Nanoparticles. <i>Biophysical Journal</i> , <b>2014</b> , 106, 624a	2.9	3
114	Oscillating magnet array-based nanomagnetic gene transfection of human mesenchymal stem cells. <i>Nanomedicine</i> , <b>2014</b> , 9, 989-97	5.6	12
113	Ferrous iron formation following the co-aggregation of ferric iron and the Alzheimer's disease peptide $\beta$ amyloid (1-42). <i>Journal of the Royal Society Interface</i> , <b>2014</b> , 11, 20140165	4.1	81
112	Efficient transfection of MG-63 osteoblasts using magnetic nanoparticles and oscillating magnetic fields. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2014</b> , 8, 169-75	4.4	15
111	Magnetic fluid hyperthermia: advances, challenges, and opportunity. <i>International Journal of Hyperthermia</i> , <b>2013</b> , 29, 706-14	3.7	178
110	Receptor-targeted, magneto-mechanical stimulation of osteogenic differentiation of human bone marrow-derived mesenchymal stem cells. <i>International Journal of Molecular Sciences</i> , <b>2013</b> , 14, 19276-93	6.3	45
109	Biomedical applications of mesoscale magnetic particles. <i>MRS Bulletin</i> , <b>2013</b> , 38, 927-932	3.2	21
108	Magnetic collection of joint-level osteoarthritis biomarkers. <i>Osteoarthritis and Cartilage</i> , <b>2013</b> , 21, S84-S85	8.2	2
107	Nanomagnetic Gene Transfection for Non-Viral Gene Delivery in NIH 3T3 Mouse Embryonic Fibroblasts. <i>Materials</i> , <b>2013</b> , 6, 255-264	3.5	21
106	Materials characterization of Feraheme/ferumoxytol and preliminary evaluation of its potential for magnetic fluid hyperthermia. <i>International Journal of Molecular Sciences</i> , <b>2013</b> , 14, 17501-10	6.3	75
105	Enhanced nanomagnetic gene transfection of human prenatal cardiac progenitor cells and adult cardiomyocytes. <i>PLoS ONE</i> , <b>2013</b> , 8, e69812	3.7	7
104	High field magnetic resonance microscopy of the human hippocampus in Alzheimer's disease: quantitative imaging and correlation with iron. <i>NeuroImage</i> , <b>2012</b> , 59, 1249-60	7.9	59
103	Improved transfection of HUVEC and MEF cells using DNA complexes with magnetic nanoparticles in an oscillating field. <i>Journal of Genetics</i> , <b>2012</b> , 91, 223-7	1.2	25

102	Modest amyloid deposition is associated with iron dysregulation, microglial activation, and oxidative stress. <i>Journal of Alzheimer's Disease</i> , <b>2012</b> , 28, 147-61	4.3	54
101	Delivery of short interfering ribonucleic acid-complexed magnetic nanoparticles in an oscillating field occurs via caveolae-mediated endocytosis. <i>PLoS ONE</i> , <b>2012</b> , 7, e51350	3.7	23
100	Nanomagnetic Gene Transfection <b>2012</b> , 333-350		
99	Mathematical modeling predicts synergistic antitumor effects of combining a macrophage-based, hypoxia-targeted gene therapy with chemotherapy. <i>Cancer Research</i> , <b>2011</b> , 71, 2826-37	10.1	67
98	The Use of Magnetic Particles in Tissue Engineering <b>2011</b> ,		4
97	Novel magnetite-silica nanocomposite (Fe <sub>3</sub> O <sub>4</sub> -SBA-15) particles for DNA binding and gene delivery aided by a magnet array. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2011</b> , 11, 3586-91	1.3	11
96	Surface activation and targeting strategies of superparamagnetic iron oxide nanoparticles in cancer-oriented diagnosis and therapy. <i>Nanomedicine</i> , <b>2010</b> , 5, 109-33	5.6	39
95	Controlled differentiation of human bone marrow stromal cells using magnetic nanoparticle technology. <i>Tissue Engineering - Part A</i> , <b>2010</b> , 16, 3241-50	3.9	98
94	Hyperpolarization of human mesenchymal stem cells in response to magnetic force. <i>IEEE Transactions on Nanobioscience</i> , <b>2010</b> , 9, 71-4	3.4	10
93	Preparation and characterization of iron oxide-silica composite particles using mesoporous SBA-15 silica as template and their internalization into mesenchymal stem cell and human bone cell lines. <i>IEEE Transactions on Nanobioscience</i> , <b>2010</b> , 9, 165-70	3.4	6
92	Preparation and characterization of polyethylenimine-coated Fe <sub>3</sub> O <sub>4</sub> -MCM-48 nanocomposite particles as a novel agent for magnet-assisted transfection. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2010</b> , 92, 386-92	5.4	52
91	Safety implications of high-field MRI: actuation of endogenous magnetic iron oxides in the human body. <i>PLoS ONE</i> , <b>2009</b> , 4, e5431	3.7	9
90	Uptake of systemically administered magnetic nanoparticles (MNPs) in areas of experimental spinal cord injury (SCI). <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2009</b> , 3, 153-7	4.4	23
89	Nanomedicine for targeted drug delivery. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 6294		110
88	Progress in applications of magnetic nanoparticles in biomedicine. <i>Journal Physics D: Applied Physics</i> , <b>2009</b> , 42, 224001	3	1072
87	A novel magnetic approach to enhance the efficacy of cell-based gene therapies. <i>Gene Therapy</i> , <b>2008</b> , 15, 902-10	4	87
86	Remote control of cellular behaviour with magnetic nanoparticles. <i>Nature Nanotechnology</i> , <b>2008</b> , 3, 139-43	4.7	423
85	Synthesis of novel magnetic iron metal-silica (Fe-SBA-15) and magnetite-silica (Fe <sub>3</sub> O <sub>4</sub> -SBA-15) nanocomposites with a high iron content using temperature-programed reduction. <i>Nanotechnology</i> , <b>2008</b> , 19, 255606	3.4	48

84	Selective activation of mechanosensitive ion channels using magnetic particles. <i>Journal of the Royal Society Interface</i> , <b>2008</b> , 5, 855-63	4.1	129
83	Magnetic nanoparticles as gene delivery agents: enhanced transfection in the presence of oscillating magnet arrays. <i>Nanotechnology</i> , <b>2008</b> , 19, 405102	3.4	102
82	Increased levels of magnetic iron compounds in Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , <b>2008</b> , 13, 49-52	4.3	97
81	Three-dimensional tomographic imaging and characterization of iron compounds within Alzheimer's plaque core material. <i>Journal of Alzheimer's Disease</i> , <b>2008</b> , 14, 235-45	4.3	115
80	Development of superparamagnetic iron oxide nanoparticles (SPIONS) for translation to clinical applications. <i>IEEE Transactions on Nanobioscience</i> , <b>2008</b> , 7, 298-305	3.4	114
79	Magnetic nanoparticles for gene and drug delivery. <i>International Journal of Nanomedicine</i> , <b>2008</b> , 3, 169-80	3	439
78	Response to Comment on Mapping and Characterization of Iron Compounds in Alzheimer's Tissue <i>Journal of Alzheimer's Disease</i> , <b>2007</b> , 11, 469-470	4.3	
77	Bulk Synthesis of Transparent and Homogeneous Polymeric Hybrid Materials with ZnO Quantum Dots and PMMA. <i>Advanced Materials</i> , <b>2007</b> , 19, 4347-4352	24	201
76	Iron: the Redox-active center of oxidative stress in Alzheimer disease. <i>Neurochemical Research</i> , <b>2007</b> , 32, 1640-5	4.6	151
75	Magnetic targeting of mechanosensors in bone cells for tissue engineering applications. <i>Journal of Biomechanics</i> , <b>2007</b> , 40 Suppl 1, S96-104	2.9	41
74	DNA delivery using polyethyleneimine (PEI) coated iron oxide-silica mesostructured particles.. <i>Studies in Surface Science and Catalysis</i> , <b>2007</b> , 165, 869-872	1.8	2
73	Toxicological aspects and applications of nanoparticles in paediatric respiratory disease. <i>Paediatric Respiratory Reviews</i> , <b>2007</b> , 8, 62-6	4.8	17
72	Preliminary observation of elevated levels of nanocrystalline iron oxide in the basal ganglia of neuroferritinopathy patients. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2007</b> , 1772, 21-5	6.9	55
71	Polyethyleneimine functionalized iron oxide nanoparticles as agents for DNA delivery and transfection. <i>Journal of Materials Chemistry</i> , <b>2007</b> , 17, 2561		110
70	A triple-layer design for polyethyleneimine-coated, nanostructured magnetic particles and their use in DNA binding and transfection. <i>Nanotechnology</i> , <b>2007</b> , 18, 435601	3.4	34
69	Redox cycling of iron by Abeta42. <i>Free Radical Biology and Medicine</i> , <b>2006</b> , 40, 557-69	7.8	81
68	Magnetic nanoparticles for drug delivery. <i>Drug Development Research</i> , <b>2006</b> , 67, 55-60	5.1	645
67	Expression of the mechanosensitive 2PK+ channel TREK-1 in human osteoblasts. <i>Journal of Cellular Physiology</i> , <b>2006</b> , 206, 738-48	7	34

66	A mixture of ferritin and magnetite nanoparticles mimics the magnetic properties of human brain tissue. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	39
65	Principles and design of a novel magnetic force mechanical conditioning bioreactor for tissue engineering, stem cell conditioning, and dynamic in vitro screening. <i>IEEE Transactions on Nanobioscience</i> , <b>2006</b> , 5, 173-7	3.4	80
64	Magnetic iron compounds in the human brain: a comparison of tumour and hippocampal tissue. <i>Journal of the Royal Society Interface</i> , <b>2006</b> , 3, 833-41	4.1	53
63	Magnetic micro- and nano-particle-based targeting for drug and gene delivery. <i>Nanomedicine</i> , <b>2006</b> , 1, 31-7	5.6	155
62	Mapping and characterization of iron compounds in Alzheimer's tissue. <i>Journal of Alzheimer's Disease</i> , <b>2006</b> , 10, 215-22	4.3	69
61	Gene therapy progress and prospects: magnetic nanoparticle-based gene delivery. <i>Gene Therapy</i> , <b>2006</b> , 13, 283-7	4	466
60	Detection, identification and mapping of iron anomalies in brain tissue using X-ray absorption spectroscopy. <i>Journal of the Royal Society Interface</i> , <b>2005</b> , 2, 33-7	4.1	28
59	High-resolution x-ray absorption spectroscopy studies of metal compounds in neurodegenerative brain tissue. <i>Journal of Physics: Conference Series</i> , <b>2005</b> , 17, 54-60	0.3	14
58	Superconducting quantum interference device measurements of dilute magnetic materials in biological samples. <i>Review of Scientific Instruments</i> , <b>2005</b> , 76, 045101	1.7	18
57	Low temperature magnetic analysis in the identification of iron compounds from human brain tumour tissue. <i>Journal of Physics: Conference Series</i> , <b>2005</b> , 17, 61-64	0.3	6
56	In situ characterization and mapping of iron compounds in Alzheimer's disease tissue. <i>Journal of Alzheimer's Disease</i> , <b>2005</b> , 7, 267-72	4.3	83
55	Magnetic micro- and nanoparticle mediated activation of mechanosensitive ion channels. <i>Medical Engineering and Physics</i> , <b>2005</b> , 27, 754-62	2.4	82
54	Looking for biogenic magnetite in brain ferritin using NMR relaxometry. <i>NMR in Biomedicine</i> , <b>2005</b> , 18, 469-72	4.4	27
53	On the significance of the time constants of magnetic field sensitivity in animals. <i>Bioelectromagnetics</i> , <b>2005</b> , 26, 234-7	1.6	3
52	The influence of static magnetic fields on mechanosensitive ion channel activity in artificial liposomes. <i>European Biophysics Journal</i> , <b>2005</b> , 34, 461-8	1.9	28
51	Characterization of iron compounds in tumour tissue from temporal lobe epilepsy patients using low temperature magnetic methods. <i>BioMetals</i> , <b>2005</b> , 18, 191-7	3.4	13
50	Use of magnetic particles to apply mechanical forces for bone tissue engineering purposes. <i>Journal of Physics: Conference Series</i> , <b>2005</b> , 17, 77-80	0.3	16
49	Experimental evaluation of the magnetic properties of commercially available magnetic microspheres. <i>Bio-Medical Materials and Engineering</i> , <b>2005</b> , 15, 421-31	1	3

48	Magnetic iron compounds in neurological disorders. <i>Annals of the New York Academy of Sciences</i> , <b>2004</b> , 1012, 183-92	6.5	52
47	Biogenic magnetite in the nematode <i>Caenorhabditis elegans</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2004</b> , 271 Suppl 6, S436-9	4.4	19
46	Advantages of having a lateralized brain. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2004</b> , 271 Suppl 6, S420-2	4.4	340
45	A potential iron-based mechanism for enhanced deposition of amyloid plaques due to cognitive stimulation in Alzheimer disease. <i>Journal of Neuro pathology and Experimental Neurology</i> , <b>2004</b> , 63, 674-5 <sup>3.1</sup>		4
44	Detection limits for ferrimagnetic particle concentrations using magnetic resonance imaging based proton transverse relaxation rate measurements. <i>Physics in Medicine and Biology</i> , <b>2003</b> , 48, N89-95	3.8	34
43	Applications of magnetic nanoparticles in biomedicine. <i>Journal Physics D: Applied Physics</i> , <b>2003</b> , 36, R1673-R181	4.683	4683
42	Preliminary evaluation of nanoscale biogenic magnetite in Alzheimer's disease brain tissue. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2003</b> , 270 Suppl 1, S62-4	4.4	93
41	Exposure of magnetic bacteria to simulated mobile phone-type RF radiation has no impact on mortality. <i>IEEE Transactions on Nanobioscience</i> , <b>2003</b> , 2, 146-9	3.4	6
40	Preliminary evaluation of nanoscale biogenic magnetite-based ferromagnetic transduction mechanisms for mobile phone bioeffects. <i>IEEE Transactions on Nanobioscience</i> , <b>2003</b> , 2, 40-3	3.4	8
39	Investigation of age-related variations in biogenic magnetite levels in the human hippocampus. <i>Experimental Brain Research</i> , <b>2002</b> , 144, 122-6	2.3	45
38	PRELIMINARY EVIDENCE FOR WEAK MAGNETIC FIELD EFFECTS ON MECHANOSENSITIVE ION CHANNEL SUBCONDUCTING STATES IN ESCHERICHIA COLI. <i>Electromagnetic Biology and Medicine</i> , <b>2002</b> , 21, 89-95	2.2	10
37	Improved method of recombinant AAV2 delivery for systemic targeted gene therapy. <i>Molecular Therapy</i> , <b>2002</b> , 6, 106-12	11.7	158
36	Low-temperature magnetic properties of lepidocrocite. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, EPM 5-1-EPM 5-9		28
35	Development of magnetic particle techniques for long-term culture of bone cells with intermittent mechanical activation. <i>IEEE Transactions on Nanobioscience</i> , <b>2002</b> , 1, 92-7	3.4	65
34	Comment: "Dantrolene modulates the influence of steady magnetic fields on hippocampal evoked potentials in vitro". <i>Bioelectromagnetics</i> , <b>2001</b> , 22, 216-7	1.6	
33	Structural and magnetic properties of nanoscale iron oxide particles synthesized in the presence of dextran or polyvinyl alcohol. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2001</b> , 225, 41-46	2.8	253
32	Synthesis and Characterization of Silica-Coated Iron Oxide Nanoparticles in Microemulsion: The Effect of Nonionic Surfactants. <i>Langmuir</i> , <b>2001</b> , 17, 2900-2906	4	675
31	Nanoscale biogenic iron oxides and neurodegenerative disease. <i>FEBS Letters</i> , <b>2001</b> , 496, 1-5	3.8	127



30	Changes in paroxysmal brainwave patterns of epileptics by weak-field magnetic stimulation. <i>Bioelectromagnetics</i> , <b>2000</b> , 21, 94-9	1.6	34
29	Analysis of EEG data from weak-field magnetic stimulation of mesial temporal lobe epilepsy patients. <i>Brain Research</i> , <b>2000</b> , 868, 386-91	3.7	24
28	Theoretical evaluation of cell membrane ion channel activation by applied magnetic fields. <i>European Biophysics Journal</i> , <b>2000</b> , 29, 455-6	1.9	24
27	Low-temperature magnetic behavior of ferrihydrite. <i>Journal of Geophysical Research</i> , <b>2000</b> , 105, 8297-8303		27
26	EVIDENCE FOR MECHANOSENSITIVE TRANSMEMBRANE ION CHANNELS OF SMALL CONDUCTANCE IN MAGNETOTACTIC BACTERIA. <i>Electromagnetic Biology and Medicine</i> , <b>2000</b> , 19, 81-89		4
25	Magnetic properties of metal-substituted haematite. <i>Geophysical Journal International</i> , <b>1999</b> , 138, 571-580		26
24	Magnetic iron biomineralization in rat brains: effects of iron loading. <i>BioMetals</i> , <b>1999</b> , 12, 77-82	3.4	8
23	Magnetic analysis of human brain tissue. <i>BioMetals</i> , <b>1999</b> , 12, 67-72	3.4	28
22	Triassic paleomagnetic results from the Huanan Block, SE China. <i>Physics of the Earth and Planetary Interiors</i> , <b>1999</b> , 112, 203-210	2.3	6
21	Experimental and Theoretical Evaluation of the Interaction of Biogenic Magnetite with Magnetic Fields <b>1999</b> , 401-404		
20	Magnetic Properties of the Heart, Spleen and Liver: Evidence for Biogenic Magnetite in Human Organs <b>1999</b> , 529-532		2
19	Multimodal investigation of thermally induced changes in magnetic fabric and magnetic mineralogy. <i>Geophysical Journal International</i> , <b>1998</b> , 135, 988-998	2.6	6
18	Theoretical Evaluation of Cellular Phone Safety Aspects. <i>Electromagnetic Biology and Medicine</i> , <b>1998</b> , 17, 351-359		1
17	Preliminary paleomagnetic results from the Upper Carboniferous of Uliastai Block, Inner Mongolia, China. <i>Geophysical Research Letters</i> , <b>1997</b> , 24, 2833-2836	4.9	16
16	Analysis of magnetic material in the human heart, spleen and liver. <i>BioMetals</i> , <b>1997</b> , 10, 351-5	3.4	50
15	Magnetic investigations of framboidal greigite formation: a record of anthropogenic environmental changes in eutrophic Lake St Moritz, Switzerland. <i>Holocene</i> , <b>1996</b> , 6, 235-241	2.6	32
14	Application of the ferromagnetic transduction model to D.C. and pulsed magnetic fields: effects on epileptogenic tissue and implications for cellular phone safety. <i>Biochemical and Biophysical Research Communications</i> , <b>1996</b> , 227, 718-23	3.4	25
13	Paleomagnetic results from the upper silurian of the Shan-Thai-Malay Block, southwest Yunnan, China. <i>Geophysical Research Letters</i> , <b>1996</b> , 23, 3405-3408	4.9	1

12	Magnetic properties of human hippocampal tissue--evaluation of artefact and contamination sources. <i>Brain Research Bulletin</i> , <b>1996</b> , 39, 255-9	3.9	76
11	Permian-Triassic magnetostratigraphy--new results from South China. <i>Physics of the Earth and Planetary Interiors</i> , <b>1995</b> , 89, 281-295	2.3	44
10	Paleomagnetic evidence for clockwise rotation of the Simao region since the Cretaceous: A consequence of India-Asia collision. <i>Earth and Planetary Science Letters</i> , <b>1995</b> , 134, 203-217	5.3	81
9	Magnetic material in the human hippocampus. <i>Brain Research Bulletin</i> , <b>1995</b> , 36, 149-53	3.9	72
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7	Paleomagnetic and rock magnetic investigations of the Changxing Permian-Triassic section, Zhejiang Province, China. <i>Geophysical Research Letters</i> , <b>1993</b> , 20, 1667-1670	4.9	14
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5	Early Triassic paleomagnetism and tectonics, South China. <i>Journal of Southeast Asian Earth Sciences</i> , <b>1993</b> , 8, 269-276		5
4	Remagnetization in southeast China and the collision and suturing of the Huanan and Yangtze Blocks. <i>Earth and Planetary Science Letters</i> , <b>1992</b> , 111, 11-21	5.3	24
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