# Timothy G St Pierre

List of Publications by Year
in descending order



| 163 | 6,725 | 53794 | 71685 |
|---|---|---|---|
| papers | citations | 45 h-index | 76 g-index |

| 165 | 165 | 165 | 8455 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Noninvasive measurement and imaging of liver iron concentrations using proton magnetic resonance. Blood, 2005, 105, 855-861. | 1.4 | 799 |
| 2 | On T2* Magnetic Resonance and Cardiac Iron. Circulation, 2011, 123, 1519-1528. | 1.6 | 381 |
| 3 | Magnetite Nanoparticle Dispersions Stabilized with Triblock Copolymers. Chemistry of Materials, 2003, 15, 1367-1377. | 6.7 | 370 |
| 4 | Structural and magnetic properties of nanoscale iron oxide particles synthesized in the presence of dextran or polyvinyl alcohol. Journal of Magnetism and Magnetic Materials, 2001, 225, 41-46. | 2.3 | 280 |
| 5 | Deformation of a hydrophobic ferrofluid droplet suspended in a viscous medium under uniform magnetic fields. Journal of Fluid Mechanics, 2010, 663, 358-384. | 3.4 | 160 |
| 6 | Proposed biosensors based on time-dependent properties of magnetic fluids. Journal of Magnetism and Magnetic Materials, 2001, 225, 156-160. | 2.3 | 148 |
| 7 | Anti-fouling magnetic nanoparticles for siRNA delivery. Journal of Materials Chemistry, 2010, 20, 255-265. | 6.7 | 123 |
| 8 | MÃ¶ssbauer spectroscopic studies of the cores of human, limpet and bacterial ferritins. BBA - Proteins and Proteomics, 1986, 870, 127-134. | 2.1 | 120 |
| 9 | Serum Iron Markers Are Inadequate for Guiding Iron Repletion in Chronic Kidney Disease. Clinical Journal of the American Society of Nephrology: CJASN, 2011, 6, 77-83. | 4.5 | 119 |
| 10 | Single spinâ€echo proton transverse relaxometry of ironâ€loaded liver. NMR in Biomedicine, 2004, 17, 446-458. | 2.8 | 104 |
| 11 | Multicenter validation of spinâ€density projectionâ€assisted R2â€MRI for the noninvasive measurement of liver iron concentration. Magnetic Resonance in Medicine, 2014, 71, 2215-2223. | 3.0 | 100 |
| 12 | Measurement and Mapping of Liver Iron Concentrations Using Magnetic Resonance Imaging. Annals of the New York Academy of Sciences, 2005, 1054, 379-385. | 3.8 | 96 |
| 13 | Correlation of proton transverse relaxation rates (R2) with iron concentrations in postmortem brain tissue from alzheimer's disease patients. Magnetic Resonance in Medicine, 2007, 57, 172-180. | 3.0 | 94 |
| 14 | The impact of phlebotomy in nonalcoholic fatty liver disease: A prospective, randomized, controlled trial. Hepatology, 2015, 61, 1555-1564. | 7.3 | 89 |
| 15 | Field-induced motion of ferrofluid droplets through immiscible viscous media. Journal of Fluid Mechanics, 2008, 610, 363-380. | 3.4 | 86 |
| 16 | Identification of nonferritin mitochondrial iron deposits in a mouse model of Friedreich ataxia. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 20590-20595. | 7.1 | 85 |
| 17 | Formation of spherical iron(III) oxyhydroxide nanoparticles sterically stabilized by chitosan in aqueous solutions. Journal of Inorganic Biochemistry, 2003, 95, 55-63. | 3.5 | 82 |
| 18 | Duration of Hepatic Iron Exposure Increases the Risk of Significant Fibrosis in Hereditary Hemochromatosis: A New Role for Magnetic Resonance Imaging. American Journal of Gastroenterology, 2005, 100, 837-841. | 0.4 | 82 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Experimental validation of proton transverse relaxivity models for superparamagnetic nanoparticle MRI contrast agents. Nanotechnology, 2010, 21, 035103. | 2.6 | 81 |
| 20 | Low-frequency low-field magnetic susceptibility of ferritin and hemosiderin. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2000, 1500, 186-196. | 3.8 | 73 |
| 21 | Formation of cobalt nanoparticle dispersions in the presence of polysiloxane block copolymers. Polymer, 2002, 43, 2337-2348. | 3.8 | 67 |
| 22 | A Sub-Microscopic Gametocyte Reservoir Can Sustain Malaria Transmission. PLoS ONE, 2011, 6, e20805. | 2.5 | 65 |
| 23 | A magnetic resonance imaging based method for measurement of tissue iron concentration in liver arterially embolized with ferrimagnetic particles designed for magnetic hyperthermia treatment of tumors. Magnetic Resonance Imaging, 2003, 21, 483-488. | 1.8 | 64 |
| 24 | Quantitative mapping of transverse relaxivity (1/T2) in hepatic iron overload: a single spin-echo imaging methodology. Magnetic Resonance Imaging, 2000, 18, 431-438. | 1.8 | 62 |
| 25 | Continuously manufactured magnetic polymersomes â€“ a versatile tool (not only) for targeted cancer therapy. Nanoscale, 2013, 5, 11385. | 5.6 | 61 |
| 26 | Proton transverse relaxation rate (R2) images of iron-loaded liver tissuepping local tissue iron concentrations with MRI. Magnetic Resonance in Medicine, 2003, 49, 572-575. | 3.0 | 60 |
| 27 | Toward Design of Magnetic Nanoparticle Clusters Stabilized by Biocompatible Diblock Copolymers for T<sub>2</sub>-Weighted MRI Contrast. Langmuir, 2014, 30, 1580-1587. | 3.5 | 59 |
| 28 | Poly(N-isopropylacrylamide)-Coated Superparamagnetic Iron Oxide Nanoparticles: Relaxometric and Fluorescence Behavior Correlate to Temperature-Dependent Aggregation. Chemistry of Materials, 2011, 23, 3348-3356. | 6.7 | 57 |
| 29 | Study of diagnostic accuracy of Helmintex, Kato-Katz, and POC-CCA methods for diagnosing intestinal schistosomiasis in Candeal, a low intensity transmission area in northeastern Brazil. PLoS Neglected Tropical Diseases, 2018, 12, e0006274. | 3.0 | 57 |
| 30 | Stability of Polydimethylsiloxane-Magnetite Nanoparticle Dispersions Against Flocculation:â€‰ Interparticle Interactions of Polydisperse Materials. Langmuir, 2008, 24, 5060-5069. | 3.5 | 56 |
| 31 | Hepcidin is suppressed by erythropoiesis in hemoglobin E Î²-thalassemia and Î²-thalassemia trait. Blood, 2015, 125, 873-880. | 1.4 | 56 |
| 32 | Structural and Magnetic Properties of Oxidatively Stable Cobalt Nanoparticles Encapsulated in Graphite Shells. Chemistry of Materials, 2006, 18, 2648-2655. | 6.7 | 55 |
| 33 | Bi-exponential proton transverse relaxation rate (R2) image analysis using RF field intensity-weighted spin density projection: potential for R2 measurement of iron-loaded liver. Magnetic Resonance Imaging, 2003, 21, 519-530. | 1.8 | 53 |
| 34 | The effect of magnetically induced linear aggregates on proton transverse relaxation rates of aqueous suspensions of polymer coated magnetic nanoparticles. Nanoscale, 2013, 5, 2152-2163. | 5.6 | 53 |
| 35 | Textureâ€based classification of liver fibrosis using MRI. Journal of Magnetic Resonance Imaging, 2015, 41, 322-328. | 3.4 | 53 |
| 36 | Polydimethylsiloxane-magnetite nanoparticle complexes and dispersions in polysiloxane carrier fluids. Polymers for Advanced Technologies, 2005, 16, 200-211. | 3.2 | 52 |

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| 37 | Field-induced motion of ferrofluids through immiscible viscous media: Testbed for restorative treatment of retinal detachment. Journal of Magnetism and Magnetic Materials, 2007, 311, 347-353. | 2.3 | 52 |
| 38 | Encapsulation and Sustained Release of Curcumin using Superparamagnetic Silica Reservoirs. Chemistry - A European Journal, 2009, 15, 5661-5665. | 3.3 | 52 |
| 39 | Doseâ€Dependent Therapeutic Distinction between Active and Passive Targeting Revealed Using Transferrinâ€Coated PGMA Nanoparticles. Small, 2016, 12, 351-359. | 10.0 | 51 |
| 40 | Synthesis, structure and magnetic properties of ferritin cores with varying composition and degrees of structural order: models for iron oxide deposits in iron-overload diseases. Coordination Chemistry Reviews, 1996, 151, 125-143. | 18.8 | 51 |
| 41 | Liver iron concentration evaluated by two magnetic methods: Magnetic resonance imaging and magnetic susceptometry. Magnetic Resonance in Medicine, 2005, 54, 122-128. | 3.0 | 50 |
| 42 | A comparison of methods for the measurement of the particle-size distribution of magnetic nanoparticles. Journal of Applied Crystallography, 2007, 40, s495-s500. | 4.5 | 50 |
| 43 | Magnetic susceptibility of iron in malaria-infected red blood cells. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2009, 1792, 93-99. | 3.8 | 50 |
| 44 | The form of iron oxide deposits in thalassemic tissues varies between different groups of patients: a comparison between Thai Î²-thalassemia/hemoglobin E patients and Australian Î²-thalassemia patients. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1998, 1407, 51-60. | 3.8 | 47 |
| 45 | Size Analysis of PDMSâˆ’Magnetite Nanoparticle Complexes: Experiment and Theory. Chemistry of Materials, 2008, 20, 2184-2191. | 6.7 | 47 |
| 46 | Organ-specific crystalline structures of ferritin cores in?-thalassemia/hemoglobin E. Biology of Metals, 1991, 4, 162-165. | 1.1 | 44 |
| 47 | 1.4T study of proton magnetic relaxation rates, iron concentrations, and plaque burden in Alzheimer's disease and control postmortem brain tissue. Magnetic Resonance in Medicine, 2008, 60, 41-52. | 3.0 | 44 |
| 48 | Biomineralization of iron: Moessbauer spectroscopy and electron microscopy of ferritin cores from the chiton Acanthopleura hirtosa and the limpet Patella laticostata. Inorganic Chemistry, 1990, 29, 1870-1874. | 4.0 | 39 |
| 49 | Detection limits for ferrimagnetic particle concentrations using magnetic resonance imaging based proton transverse relaxation rate measurements. Physics in Medicine and Biology, 2003, 48, N89-N95. | 3.0 | 38 |
| 50 | Changes in paroxysmal brainwave patterns of epileptics by weak-field magnetic stimulation. Bioelectromagnetics, 2000, 21, 94-99. | 1.6 | 37 |
| 51 | Poly(styrene-b-4-vinylphenoxyphthalonitrile)âˆ’Cobalt Complexes and Their Conversion to Oxidatively Stable Cobalt Nanoparticles. Chemistry of Materials, 2005, 17, 5246-5254. | 6.7 | 37 |
| 52 | The effect of polymer coatings on proton transverse relaxivities of aqueous suspensions of magnetic nanoparticles. Nanotechnology, 2011, 22, 325702. | 2.6 | 37 |
| 53 | Hepatic iron concentration correlates with insulin sensitivity in nonalcoholic fatty liver disease. Hepatology Communications, 2018, 2, 644-653. | 4.3 | 37 |
| 54 | Arterial embolization hyperthermia: hepatic iron particle distribution and its potential determination by magnetic resonance imaging. Physics in Medicine and Biology, 2002, 47, 1591-1602. | 3.0 | 36 |

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|---|---|---|---|
| 55 | Calibration of myocardial T2 and T1 against iron concentration. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 62. | 3.3 | 36 |
| 56 | Apparent magnetic energy-barrier distribution in horse-spleen ferritin:â€ƒEvidence for multiple interacting magnetic entities per ferrihydrite nanoparticle. Physical Review B, 2001, 65, . | 3.2 | 34 |
| 57 | An Unexpected Transient Breakdown of the Blood Brain Barrier Triggers Passage of Large Intravenously Administered Nanoparticles. Scientific Reports, 2016, 6, 22595. | 3.3 | 34 |
| 58 | The behaviour of superparamagnetic small particles in applied magnetic fields: A MÃ¶ssbauer spectroscopic study of ferritin and haemosiderin. Journal of Magnetism and Magnetic Materials, 1987, 69, 276-284. | 2.3 | 33 |
| 59 | Relationship between brain R<sub>2</sub> and liver and serum Iron concentrations in elderly men. Magnetic Resonance in Medicine, 2010, 63, 275-281. | 3.0 | 33 |
| 60 | Rod-like iron(III) oxyhydroxide particles in iron(III)-polysaccharide solutions. Journal of Inorganic Biochemistry, 1995, 58, 129-138. | 3.5 | 32 |
| 61 | The effect of histological processing on the form of iron in iron-loaded human tissues. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1997, 1360, 255-261. | 3.8 | 30 |
| 62 | Analysis of EEG data from weak-field magnetic stimulation of mesial temporal lobe epilepsy patients11Published on the World Wide Web on 15 May 2000.. Brain Research, 2000, 868, 386-391. | 2.2 | 30 |
| 63 | A comparative study of a flow-cytometry-based assessment of in vitro Plasmodium falciparum drug sensitivity. Malaria Journal, 2009, 8, 294. | 2.3 | 30 |
| 64 | A comparison of the sensitivities of detection of Plasmodium falciparum gametocytes by magnetic fractionation, thick blood film microscopy, and RT-PCR. Malaria Journal, 2009, 8, 98. | 2.3 | 30 |
| 65 | Block copolysiloxanes and their complexation with cobalt nanoparticles. Polymer, 2004, 45, 7449-7461. | 3.8 | 29 |
| 66 | Comparative mineralogy and geochemistry of hydrothermal ironâ€rich crusts from the Pitcairn, Teahitiaâ€mehetia, and Macdonald hot spot areas of the S. W. pacific. Marine Georesources and Geotechnology, 1993, 11, 45-86. | 2.1 | 28 |
| 67 | Synthesis of â€˜ready-to-adsorbâ€™ polymeric nanoshells for magnetic iron oxide nanoparticles via atom transfer radical polymerization. Polymer, 2011, 52, 1356-1366. | 3.8 | 28 |
| 68 | Core structures of haemosiderins deposited in various organs in Î²-thalassaemia/haemoglobin e disease. Hyperfine Interactions, 1992, 71, 1279-1282. | 0.5 | 27 |
| 69 | Theoretical evaluation of cell membrane ion channel activation by applied magnetic fields. European Biophysics Journal, 2000, 29, 455-456. | 2.2 | 27 |
| 70 | Application of the Ferromagnetic Transduction Model to D.C. and Pulsed Magnetic Fields: Effects on Epileptogenic Tissue and Implications for Cellular Phone Safety. Biochemical and Biophysical Research Communications, 1996, 227, 718-723. | 2.1 | 26 |
| 71 | Cobalt nanoparticles formed in polysiloxane copolymer micelles: effect of production methods on magnetic properties. Journal Physics D: Applied Physics, 2004, 37, 2475-2482. | 2.8 | 26 |
| 72 | Cobaltâ€“silica magnetic nanoparticles with functional surfaces. Journal of Magnetism and Magnetic Materials, 2005, 293, 162-170. | 2.3 | 26 |

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| 73 | Mathematical Modeling of Malaria Infection with Innate and Adaptive Immunity in Individuals and Agent-Based Communities. PLoS ONE, 2012, 7, e34040. | 2.5 | 26 |
| 74 | Some magnetic properties of the cores of various ferritins. Hyperfine Interactions, 1986, 29, 1427-1430. | 0.5 | 25 |
| 75 | MÃ¶ssbauer spectroscopic study of the forms of iron in normal human liver and spleen tissue. Hyperfine Interactions, 1994, 91, 905-910. | 0.5 | 25 |
| 76 | Structural and magnetic properties of cobalt nanoparticles encased in siliceous shells. Chemistry of Materials, 2007, 19, 6597-6604. | 6.7 | 25 |
| 77 | Manipulating directional cell motility using intracellular superparamagnetic nanoparticles. Nanoscale, 2015, 7, 4884-4889. | 5.6 | 25 |
| 78 | Mapping iron in human heart tissue with synchrotron x-ray fluorescence microscopy and cardiovascular magnetic resonance. Journal of Cardiovascular Magnetic Resonance, 2014, 16, 80. | 3.3 | 24 |
| 79 | Functional Reactive Polymer Electrospun Matrix. ACS Applied Materials & Interfaces, 2016, 8, 4934-4939. | 8.0 | 24 |
| 80 | Optimization of the Helmintex method for schistosomiasis diagnosis. Experimental Parasitology, 2017, 177, 28-34. | 1.2 | 24 |
| 81 | Baseline Parameters in Clinical Trials for Nonalcoholic Steatohepatitis: Recommendations From the Liver Forum. Gastroenterology, 2017, 153, 621-625.e7. | 1.3 | 24 |
| 82 | MÃ¶ssbauer spectroscopic studies of deproteinised, sub-fractionated and reconstituted ferritins: the relationship between haemosiderin and ferritin. BBA - Proteins and Proteomics, 1988, 952, 158-163. | 2.1 | 23 |
| 83 | Renal iron load in sickle cell disease is influenced by severity of haemolysis. British Journal of Haematology, 2012, 157, 599-605. | 2.5 | 23 |
| 84 | Direct correlation of PNIPAM thermal transition and magnetic resonance relaxation of iron oxide nanoparticles. Materials Chemistry Frontiers, 2017, 1, 2335-2340. | 5.9 | 23 |
| 85 | The magnetic susceptibilities of iron deposits in thalassaemic spleen tissue. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2007, 1772, 330-337. | 3.8 | 22 |
| 86 | Multifunctional hybrid materials based on transparent poly(methyl methacrylate) reinforced by lanthanoid hydroxo clusters. Dalton Transactions, 2010, 39, 11227. | 3.3 | 22 |
| 87 | The Iron Distribution and Magnetic Properties of Schistosome Eggshells: Implications for Improved Diagnostics. PLoS Neglected Tropical Diseases, 2013, 7, e2219. | 3.0 | 22 |
| 88 | MRI Measurements of Iron Load in Transfusion-Dependent Patients: Implementation, Challenges, and Pitfalls. Pediatric Blood and Cancer, 2016, 63, 773-780. | 1.5 | 22 |
| 89 | MÃ¶ssbauer Spectra of Soil Kaolins from South-Western Australia. Clays and Clay Minerals, 1992, 40, 341-346. | 1.3 | 21 |
| 90 | Structural Organisation of the Cusps of the Radular Teeth of the Chiton Plaxiphora albida. Acta Zoologica, 1996, 77, 287-294. | 0.8 | 21 |

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| 91 | Methemoglobinemia and ascorbate deficiency in hemoglobin E Î² thalassemia: metabolic and clinical implications. Blood, 2012, 120, 2939-2944. | 1.4 | 21 |
| 92 | Liver iron concentration measurements by MRI in chronically transfused children with sickle cell anemia: baseline results from the TWiTCH trial. American Journal of Hematology, 2015, 90, 806-810. | 4.1 | 21 |
| 93 | Stereological Analysis of Liver Biopsy Histology Sections as a Reference Standard for Validating Non-Invasive Liver Fat Fraction Measurements by MRI. PLoS ONE, 2016, 11, e0160789. | 2.5 | 20 |
| 94 | Effects of prolonged iron loading in the rat using both parenteral and dietary routes. BioMetals, 1999, 12, 103-113. | 4.1 | 18 |
| 95 | The affinity of magnetic microspheres for Schistosoma eggs. International Journal for Parasitology, 2015, 45, 43-50. | 3.1 | 18 |
| 96 | Non-stoichiometric magnetite and maghemite in the mature teeth of the chitonAcanthopleura hirtosa. Hyperfine Interactions, 1992, 71, 1275-1278. | 0.5 | 17 |
| 97 | Iron biominerals in medicine and the environment. Coordination Chemistry Reviews, 1999, 190-192, 1199-1215. | 18.8 | 17 |
| 98 | Identifying nanoscale ferrihydrite in Hydrometallurgical residues. Jom, 2002, 54, 40-43. | 1.9 | 17 |
| 99 | Low prevalence of cardiac siderosis in heavily iron loaded Egyptian thalassemia major patients. Annals of Hematology, 2014, 93, 375-379. | 1.8 | 17 |
| 100 | Gametocyte Clearance Kinetics Determined by Quantitative Magnetic Fractionation in Melanesian Children with Uncomplicated Malaria Treated with Artemisinin Combination Therapy. Antimicrobial Agents and Chemotherapy, 2015, 59, 4489-4496. | 3.2 | 17 |
| 101 | Parameterization of high magnetic field gradient fractionation columns for applications with Plasmodium falciparum infected human erythrocytes. Malaria Journal, 2010, 9, 116. | 2.3 | 15 |
| 102 | The effect of reducing repetition time TR on the measurement of liver R2 for the purpose of measuring liver iron concentration. Magnetic Resonance in Medicine, 2011, 65, 1346-1351. | 3.0 | 15 |
| 103 | Nuclear Magnetic Resonance: A Tool for Malaria Diagnosis?. American Journal of Tropical Medicine and Hygiene, 2011, 85, 815-817. | 1.4 | 15 |
| 104 | The influence of NaYF4:Yb,Er size/phase on the multimodality of co-encapsulated magnetic photon-upconverting polymeric nanoparticles. Dalton Transactions, 2014, 43, 16780-16787. | 3.3 | 15 |
| 105 | Comparison of three methods for detection of gametocytes in Melanesian children treated for uncomplicated malaria. Malaria Journal, 2014, 13, 319. | 2.3 | 15 |
| 106 | Iron in soil kaolins from Indonesia and Western Australia. Clay Minerals, 2002, 37, 671-685. | 0.6 | 14 |
| 107 | Post-mortem study of the association between cardiac iron and fibrosis in transfusion dependent anaemia. Journal of Cardiovascular Magnetic Resonance, 2016, 19, 36. | 3.3 | 14 |
| 108 | Reduction of respiratory motion artifacts in transverse relaxation rate (R2) images of the liver. Computerized Medical Imaging and Graphics, 2004, 28, 69-76. | 5.8 | 13 |

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|---|---|---|---|
| 109 | Labeling of cancer cells with magnetic nanoparticles for magnetic resonance imaging. Magnetic Resonance in Medicine, 2014, 71, 1896-1905. | 3.0 | 13 |
| 110 | Tissue Iron Distribution Assessed by MRI in Patients with Iron Loading Anemias. PLoS ONE, 2015, 10, e0139220. | 2.5 | 11 |
| 111 | A spectroscopic study of thalassemic gallstones. Biospectroscopy, 1997, 3, 409-416. | 0.6 | 10 |
| 112 | The effect of prolonged iron loading on the chemical form of iron oxide deposits in rat liver and spleen. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1999, 1454, 191-200. | 3.8 | 10 |
| 113 | Title is missing!. , 2000, 126, 75-81. | | 10 |
| 114 | Nanostructure of PEOâ€“polyurethaneâ€“PEO triblock copolymer micelles in water. Journal of Colloid and Interface Science, 2010, 344, 81-89. | 9.4 | 10 |
| 115 | Di[2,6-bis(5-phenylpyrazol-3-yl)pyridine]Co(II): an old coordination mode for a novel supramolecular assembly. CrystEngComm, 2010, 12, 3422. | 2.6 | 10 |
| 116 | Diagnostic Performance of a Rapid Magnetic Resonance Imaging Method of Measuring Hepatic Steatosis. PLoS ONE, 2013, 8, e59287. | 2.5 | 10 |
| 117 | MÃ¶ssbauer spectroscopic study of iron oxide deposits in liver tissue from the marine mammalDugong dugong. Hyperfine Interactions, 1994, 91, 899-904. | 0.5 | 9 |
| 118 | Magnetic interactions in native horse spleen ferritin below the superparamagnetic blocking temperature. Journal of Magnetism and Magnetic Materials, 1998, 177-181, 1459-1460. | 2.3 | 9 |
| 119 | Magnetic energy-barrier distributions for ferrihydrite nanoparticles formed by reconstituting ferritin. Journal of Applied Physics, 2008, 103, 054302. | 2.5 | 9 |
| 120 | Reaction of hydrogen sulfide with native horse spleen ferritin. Inorganic Chemistry, 1993, 32, 4480-4482. | 4.0 | 8 |
| 121 | Chemical speciation of iron deposits in thalassemic heart tissue. Inorganica Chimica Acta, 2000, 300-302, 932-936. | 2.4 | 8 |
| 122 | Dietary iron-loaded rat liver haemosiderin and ferritin:in situmeasurement of iron core nanoparticle size and cluster structure using anomalous small-angle x-ray scattering. Physics in Medicine and Biology, 2009, 54, 1209-1221. | 3.0 | 8 |
| 123 | Magnetic field directed fabrication of conducting polymer nanowires. Chemical Communications, 2013, 49, 7138. | 4.1 | 8 |
| 124 | Cardiac iron load and function in transfused patients treated with deferasirox (the <scp>MILE</scp>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf | 2.2 | 8 |
| 125 | Iron species in iron ascorbate solutions at physiological pH. Biochemical Society Transactions, 1987, 15, 688-688. | 3.4 | 7 |
| 126 | Apparent magnetic energy-barrier distribution in FePt nanoparticles. Journal of Magnetism and Magnetic Materials, 2005, 295, 174-176. | 2.3 | 7 |

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| 127 | Quantification of Plasmodium falciparum Gametocytes by Magnetic Fractionation. American Journal of Tropical Medicine and Hygiene, 2011, 84, 158-160. | 1.4 | 7 |
| 128 | Considerations regarding the micromagnetic resonance relaxometry technique for rapid label-free malaria diagnosis. Nature Medicine, 2015, 21, 1387-1387. | 30.7 | 7 |
| 129 | The form of iron in pigment gallstones. Hyperfine Interactions, 1994, 91, 911-916. | 0.5 | 6 |
| 130 | Multimodal investigation of thermally induced changes in magnetic fabric and magnetic mineralogy. Geophysical Journal International, 1998, 135, 988-998. | 2.4 | 6 |
| 131 | Characterization of dugong liver ferritin. Analytica Chimica Acta, 1999, 393, 235-243. | 5.4 | 6 |
| 132 | Magnetic properties of artificially synthesized ferritins. Journal of Applied Physics, 2005, 97, 10M524. | 2.5 | 6 |
| 133 | Title is missing!. Hyperfine Interactions, 2002, 144/145, 279-288. | 0.5 | 5 |
| 134 | Clinical expression of C282Y homozygous HFE haemochromatosis at 14 years of age. Annals of Clinical Biochemistry, 2006, 43, 233-236. | 1.6 | 5 |
| 135 | Exploring Structural and Physical Properties of Schistosome Eggs: Potential Pathways for Novel Diagnostics?. Advances in Parasitology, 2018, 100, 209-237. | 3.2 | 5 |
| 136 | Experimental determination of LÃ©vy flight distributions of the energy barriers in spin glasses. Journal of Applied Physics, 2004, 95, 6983-6985. | 2.5 | 4 |
| 137 | Numerical Modeling of Ferrofluid Droplets in Magnetic Fields. AIP Conference Proceedings, 2008, , . | 0.4 | 4 |
| 138 | Eggs and Magnetism: New Approaches for Schistosomiasis Diagnosis. Trends in Parasitology, 2018, 34, 267-271. | 3.3 | 4 |
| 139 | Biological mineralization of iron: Studies using MÃ¶ssbauer spectroscopy and complementary techniques. Hyperfine Interactions, 1988, 40, 223-233. | 0.5 | 3 |
| 140 | Title is missing!. BioMetals, 1999, 12, 73-76. | 4.1 | 3 |
| 141 | Non-invasive measurement and imaging of tissue iron oxide nanoparticle concentrationsin vivousing proton relaxometry. Journal of Physics: Conference Series, 2005, 17, 122-126. | 0.4 | 3 |
| 142 | The Use and Potential of MÃ¶ssbauer Spectroscopy in Studies of Biological Mineralization. , 1989, , 417-444. | | 3 |
| 143 | Agreement Between R2 and R2* Liver Iron Estimates Is Independent of the Type of Iron Removal Therapy: Results from the Twitch Trial. Blood, 2016, 128, 1274-1274. | 1.4 | 3 |
| 144 | Pathological Biomineralization of Iron. , 0, , 219-276. | | 2 |

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| 145 | A MÃ¶ssbauer spectroscopic study of the forms of storage iron in the larval and adult stages of the lamprey,Geotria australis. Hyperfine Interactions, 1992, 71, 1283-1286. | 0.5 | 2 |
| 146 | The effect of temperature on the radial distribution function for iron in native horse spleen ferritin. Physica B: Condensed Matter, 1995, 208-209, 545-546. | 2.7 | 2 |
| 147 | Iron K-edge anomalous small-angle X-ray scattering at 15-ID-D at the Advanced Photon Source. Journal of Applied Crystallography, 2006, 40, s402-s407. | 4.5 | 2 |
| 148 | Manufacture and Testing of a High Field Gradient Magnetic Fractionation System for Quantitative Detection of Plasmodium falciparum Gametocytes. , 2010, , . | | 2 |
| 149 | Evaluation of the immunogenicity of Schistosoma mansoni egg surface. Revista Da Sociedade Brasileira De Medicina Tropical, 2017, 50, 652-657. | 0.9 | 2 |
| 150 | A New Model for Predicting Venesection Therapy Requirements in Hereditary Hemochromatosis Using Non-Invasive Liver Iron Concentration Measurement.. Blood, 2005, 106, 3596-3596. | 1.4 | 2 |
| 151 | Reductive changes to polynuclear iron(III) clusters in iron-loaded human spleen tissue. Inorganica Chimica Acta, 1998, 267, 7-10. | 2.4 | 1 |
| 152 | Thales: an instrument to measure the low field magnetophoretic mobility of microscopic objects. Journal of Physics: Conference Series, 2005, 17, 181-184. | 0.4 | 1 |
| 153 | Loading Erythrocytes with Maghemite Nanoparticles via Osmotic Pressure Induced Cell Membrane Pores. , 2010, , . | | 1 |
| 154 | Enhancement of the Cell Specific Proton Relaxivities of Human Red Blood Cells via Loading With Gadoteric Acid. IEEE Transactions on Magnetics, 2013, 49, 414-420. | 2.1 | 1 |
| 155 | Validation of MRIâ€VLFF for the nonâ€invasive measurement of steatosis in children. GastroHep, 2020, 2, 171-180. | 0.6 | 1 |
| 156 | Relationship Between Total Iron Removed by Phlebotomy and Iron Removed From the Liver in Pediatric Thalassemia Major Patients Following Curative Stem Cell Transplant. Blood, 2011, 118, 5300-5300. | 1.4 | 1 |
| 157 | In Vivo Imaging of Tumor Cell Migration. Biophysical Journal, 2011, 100, 143a. | 0.5 | 0 |
| 158 | Reply. Hepatology, 2015, 62, 1921-1922. | 7.3 | 0 |
| 159 | Chain Formation of PNIPAM-Coated Magnetic Nanoparticles in an External Magnetic Field and the Effect of Temperature. IEEE Transactions on Magnetics, 2022, 58, 1-5. | 2.1 | 0 |
| 160 | The Effect of Silica Shell Thickness on Magnetic and Proton Relaxometric Properties: Fe<sub>3</sub>O<sub>4</sub>@mSiO<sub>2</sub> Nanoparticles. IEEE Transactions on Magnetics, 2022, 58, 1-7. | 2.1 | 0 |
| 161 | Non-Invasive Monitoring of Hepatic Iron Concentration during Oral Chelation in Patients with Non-Regularly Transfused Î²-Thalassemia/Hb E Disease.. Blood, 2004, 104, 3615-3615. | 1.4 | 0 |
| 162 | Variability of the Iron Specific Magnetic Susceptibility of Spleen Tissue in Î²-Thalassemia and Î²-Thalassemia/Hb E Patients.. Blood, 2005, 106, 3829-3829. | 1.4 | 0 |

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| 163 | Experimental and Theoretical Evaluation of the Interaction of Biogenic Magnetite with Magnetic Fields. , 1999, , 401-404. | | 0 |