

# Daniel M Pajerowski

## List of Publications by Year in descending order

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55  
papers

1,441  
citations

393982

19  
h-index

329751

37  
g-index

56  
all docs

56  
docs citations

56  
times ranked

2190  
citing authors

#	ARTICLE	IF	CITATIONS
1	Excitations in the field-induced quantum spin liquid state of $\hat{I}\pm$ -RuCl <sub>3</sub> . Npj Quantum Materials, 2018, 3, .	1.8	254
2	Persistent Photoinduced Magnetism in Heterostructures of Prussian Blue Analogues. Journal of the American Chemical Society, 2010, 132, 4058-4059.	6.6	146
3	Superparamagnetic Fe <sub>3</sub> O <sub>4</sub> /SiO <sub>2</sub> Nanocomposites: Enabling the Tuning of Both the Iron Oxide Load and the Size of the Nanoparticles. Langmuir, 2008, 24, 3532-3536.	1.6	104
4	Photoinduced Magnetism in Core/Shell Prussian Blue Analogue Heterostructures of K <sub>2</sub> Ni <sub>3</sub> [Cr(CN) <sub>6</sub> ] <sub>2</sub> ·nH <sub>2</sub> O with RbCo <sub>2</sub> [Fe(CN) <sub>6</sub> ] <sub>2</sub> ·mH <sub>2</sub> O. Disordered Route to the U(1) Quantum Spin Liquid: Random Transverse Fields on Spin Ice	1.9	86
5	Disordered Route to the U(1) Quantum Spin Liquid: Random Transverse Fields on Spin Ice in $\text{Pr}_2\text{Zr}_2\text{O}_{13}$ . Physical Review Letters, 2017, 118, 107206.	1.9	86
6	Photoinduced Magnetism in a Series of Prussian Blue Analogue Heterostructures. Chemistry of Materials, 2011, 23, 3045-3053.	3.2	74
7	Electronic conductivity in Berlin green and Prussian blue. Physical Review B, 2011, 83, .	1.1	54
8	Size dependence of the photoinduced magnetism and long-range ordering in Prussian blue analogue nanoparticles of rubidium cobalt hexacyanoferrate. New Journal of Physics, 2007, 9, 222-222.	1.2	45
9	Spin excitations in the frustrated triangular lattice antiferromagnet $\text{NaYbO}_2$ . Physical Review B, 2020, 101, .	1.1	31
10	Neutron scattering evidence for isolated spin-1/2 ladders in (C <sub>5</sub> D <sub>12</sub> N) <sub>2</sub> CuBr <sub>4</sub> . Physical Review B, 2009, 80, .	1.1	31
11	Anisotropic Photoinduced Magnetism in Thin Films of the Prussian Blue Analogue $\text{A}_x\text{Co}_y[\text{Fe}(\text{CN})_6]_z \cdot n\text{H}_2\text{O}$ . Chemistry of Materials, 2008, 20, 5706-5713.	3.2	28
12	Tuning the Sign of Photoinduced Changes in Magnetization: Spin Transitions in the Ternary Metal Prussian Blue Analogue $\text{Na}_x\text{Ni}_y\text{Co}_z[\text{Fe}(\text{CN})_6]_2 \cdot n\text{H}_2\text{O}$ . Journal of the American Chemical Society, 2009, 131, 12927-12936.	6.6	30
13	Magnetic structure and exchange interactions in the layered semiconductor $\text{CrPS}_4$ . Physical Review B, 2020, 102, .	1.1	31
14	Inorganic Crystal Engineering through Cation Metathesis: One-, Two-, and Three-Dimensional Cluster-Based Coordination Polymers. Chemistry of Materials, 2007, 19, 2238-2246.	3.2	28
15	Anisotropic magnetism in Prussian blue analogue films. New Journal of Chemistry, 2011, 35, 1320.	1.4	25
16	Effect of film thickness on the photoinduced decrease in magnetism for thin films of the cobalt iron Prussian blue analogue $\text{Rb}_{0.7}\text{Co}_4[\text{Fe}(\text{CN})_6]_3 \cdot 3\text{H}_2\text{O}$ . Polyhedron, 2007, 26, 2281-2286.	1.0	24
17	Synthesis and Size Control of Iron(II) Hexacyanochromate(III) Nanoparticles and the Effect of Particle Size on Linkage Isomerism. Inorganic Chemistry, 2013, 52, 4494-4501.	1.9	24
18	X-ray Absorption Study of Structural Coupling in Photomagnetic Prussian Blue Analogue Core@Shell Particles. Chemistry of Materials, 2014, 26, 2586-2594.	3.2	24

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19	Photoinduced magnetism in rubidium cobalt hexacyanoferrate Prussian blue analogue nanoparticles. <i>Polyhedron</i> , 2007, 26, 2273-2275.	1.0	19
20	Magnetic neutron scattering of thermally quenched K-Co-Fe Prussian blue analog photomagnet. <i>Physical Review B</i> , 2012, 86, .	1.1	19
21	Syntheses, structures, and magnetic properties of salen type Cu-Gd dimer and hexamer complexes with strong ferromagnetic interactions. <i>Polyhedron</i> , 2013, 52, 91-95.	1.0	19
22	Spin jam induced by quantum fluctuations in a frustrated magnet. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 11519-11523.	3.3	18
23	Interplay of frustration and magnetic field in the two-dimensional quantum antiferromagnet $\text{CuTi}_2\text{O}_7$ . <i>Physical Review B</i> , 2009, 80, .	1.1	17
24	Metal Monophosphonates $\text{M}\{(\text{2-C}_5\text{H}_4\text{NO})\text{CH}_2\text{PO}_3\}(\text{H}_2\text{O})_2$ (M = Co, Ni, Mn, Cd): Synthesis, Structure, and Magnetism. <i>Inorganic Chemistry</i> , 2010, 49, 8474-8480.	1.9	17
25	Photomagnetic $\text{K}_{0.25}\text{NiCo}[\text{Fe}(\text{CN})_6]\cdot\text{H}_2\text{O}$ and $\text{K}_{0.25}\text{Co}[\text{Fe}(\text{CN})_6]\cdot 0.75\text{[Cr}(\text{CN})_6]\cdot 0.75\text{[Ni}(\text{CN})_6]$ Prussian Blue Analogue Solid Solutions. <i>Inorganic Chemistry</i> , 2012, 51, 3648-3655.	1.9	16
26	Magnetic anisotropy in thin films of Prussian blue analogues. <i>Physical Review B</i> , 2010, 82, . Magnetic neutron diffraction study of $\text{Ba}[\text{Fe}(\text{CN})_6]\cdot\text{H}_2\text{O}$ . <i>Physical Review B</i> , 2010, 82, 104411.	1.1	15
27	Magnetic structure and dispersion relation of the quasi-one-dimensional Ising-like antiferromagnet $\text{BaCo}_2\text{V}_2\text{O}_{10}$ . <i>Physical Review B</i> , 2012, 86, .	1.1	15
28	Bixenite $\text{Ba}_2\text{Co}_2\text{V}_2\text{O}_{10}$ . <i>Physical Review B</i> , 2012, 86, .	1.1	14
29	Local-Ising-type magnetic order and metamagnetism in the rare-earth pyrogermanate $\text{Er}_2\text{Ge}_2\text{O}_7$ . <i>Physical Review Materials</i> , 2019, 3, .	1.1	13
30	Chloride-bridged, defect-dicubane $\{\text{Ln}_4\}$ core clusters: syntheses, crystal structures and magnetic properties. <i>Dalton Transactions</i> , 2014, 43, 11973.	0.9	13
31	High-pressure neutron scattering of the magnetoelastic Ni-Cr Prussian blue analog. <i>Physical Review B</i> , 2015, 91, . Polaron-mediated spin correlations in metallic and insulating $\text{LaMnO}_3$ . <i>Physical Review B</i> , 2015, 91, .	1.6	11
32	Local-Ising-type magnetic order and metamagnetism in the rare-earth pyrogermanate $\text{Er}_2\text{Ge}_2\text{O}_7$ . <i>Physical Review Materials</i> , 2019, 3, .	1.1	11
33	Local-Ising-type magnetic order and metamagnetism in the rare-earth pyrogermanate $\text{Er}_2\text{Ge}_2\text{O}_7$ . <i>Physical Review Materials</i> , 2019, 3, .		

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37	Quantification of local Ising magnetism in rare-earth pyrogermanates $\text{Er}_2\text{O}_7$ and $\text{Yb}_2\text{O}_7$ . Physical Review B, 2020, 101, .	1.1	8
38	Magnetic field induced quantum phase transition of the $S=12$ antiferromagnet $\text{K}_2\text{NaCrO}_8$ . Physical Review B, 2010, 81, .	1.1	7
39	Magnetic structure of the mixed antiferromagnet $\text{NdMn}_3\text{O}_7$ . Physical Review B, 2017, 96, .	1.1	7
40	f-Electron States in $\text{PrPd}_5\text{Al}_2$ . Journal of the Physical Society of Japan, 2018, 87, 094704.	0.7	7
41	3D scanning and 3D printing $\text{AlSi}_{10}\text{Mg}$ single crystal mounts for neutron scattering. Review of Scientific Instruments, 2020, 91, 053902.	0.6	7
42	The magnetic order of a manganese vanadate system with two-dimensional striped triangular lattice. AIP Advances, 2018, 8, 101407.	0.6	6
43	Magnetic excitations of the hybrid multiferroic $\text{Nd}_2\text{Mg}_2\text{O}_7$ . Physical Review B, 2021, 103, .		
44	Inelastic neutron scattering study of the anisotropic $S=1$ spin chain $\text{Sr}_2\text{VO}_7$ .		

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55	Magnetic structure of ternary rare-earth alloy Ho <sub>1/3</sub> Tb <sub>1/3</sub> Er <sub>1/3</sub> . Journal of Magnetism and Magnetic Materials, 2019, 469, 315-322.	1.0	0