

B Schwarz

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.

37
papers

636
citations

15
h-index

24
g-index

40
ext. papers

833
ext. citations

5.7
avg. IF

3.9
L-index

#	Paper	IF	Citations
37	Peroxo Species Formed in the Bulk of Silicate Cathodes. <i>Angewandte Chemie</i> , 2021 , 133, 10144-10151	3.6	0
36	Peroxo Species Formed in the Bulk of Silicate Cathodes. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 10056-10063	16.4	4
35	Innentitelbild: Peroxo Species Formed in the Bulk of Silicate Cathodes (Angew. Chem. 18/2021). <i>Angewandte Chemie</i> , 2021 , 133, 9814-9814	3.6	
34	Dielectric Relaxation and Magnetic Structure of A-Site-Ordered Perovskite Oxide Semiconductor CaCuFeTaO. <i>Inorganic Chemistry</i> , 2021 , 60, 6999-7007	5.1	0
33	Phosphoric acid and thermal treatments reveal the peculiar role of surface oxygen anions in lithium and manganese-rich layered oxides. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 264-273	13	10
32	The effect of electrochemically inactive Ti substituted for Ru in Li ₂ Ru _{1-x} Ti _x O ₃ on structure and electrochemical performance. <i>Journal of Energy Chemistry</i> , 2021 , 60, 222-228	12	0
31	Chemical and Structural Evolution during the Synthesis of Layered Li(Ni,Co,Mn)O ₂ Oxides. <i>Chemistry of Materials</i> , 2020 , 32, 4984-4997	9.6	20
30	Evidence of discrete energy states and cluster-glass behavior in Sr _{2-x} LaxCoNbO ₆ . <i>Physical Review B</i> , 2020 , 102,	3.3	2
29	Lithium-ion (de)intercalation mechanism in core-shell layered Li(Ni,Co,Mn)O ₂ cathode materials. <i>Nano Energy</i> , 2020 , 78, 105231	17.1	21
28	Phase transformation, charge transfer, and ionic diffusion of Na ₄ MnV(PO ₄) ₃ in sodium-ion batteries: a combined first-principles and experimental study. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 17477-17486	13	11
27	Chemical, Structural, and Electronic Aspects of Formation and Degradation Behavior on Different Length Scales of Ni-Rich NCM and Li-Rich HE-NCM Cathode Materials in Li-Ion Batteries. <i>Advanced Materials</i> , 2019 , 31, e1900985	24	152
26	(De)Lithiation Mechanism of Hierarchically Layered LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ Cathodes during High-Voltage Cycling. <i>Journal of the Electrochemical Society</i> , 2019 , 166, A5025-A5032	3.9	19
25	Liquid-Liquid demixing and microstructure of CoCuZr alloys with low Zr content. <i>Intermetallics</i> , 2013 , 32, 250-258	3.5	14
24	Magnetocaloric (FeB)-based amorphous alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 2013 , 329, 101-104	2.8	32
23	Synthesis, structural, magnetic and electrochemical properties of LiNi _{1/3} Mn _{1/3} Co _{1/3} O ₂ prepared by a sol-gel method using table sugar as chelating agent. <i>Electrochimica Acta</i> , 2013 , 113, 313-321	6.7	45
22	Roles of hydrogenation, annealing and field in the structure and magnetic entropy change of Tb-based bulk metallic glasses. <i>AIP Advances</i> , 2013 , 3, 032134	1.5	17
21	Phase separation and magnetic properties in Gd(Hf,Ti,Y)CoAl metallic glasses. <i>Scripta Materialia</i> , 2012 , 67, 149-152	5.6	10

20	Magnetic properties and magnetocaloric effect of rapidly quenched Gd ₇₀ Fe ₁₀ Al alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 2012 , 324, 1581-1587	2.8	9
19	Irreversible and reversible magnetic entropy change in a Dy-based bulk metallic glass. <i>Intermetallics</i> , 2012 , 30, 76-79	3.5	9
18	Microstructure and magnetic properties of Gd ₆₀ Co ₄₀ Al phase separated metallic glasses. <i>Intermetallics</i> , 2012 , 20, 115-122	3.5	14
17	Magnetic properties and crystal structure of Sr ₃ CoIrO ₆ and Sr ₃ NiIrO ₆ . <i>Physical Review B</i> , 2012 , 86,	3.3	24
16	Structural and magnetic nanoclusters in Cu ₅₀ Zr _{50-x} Gdx (x = 5 at.%) metallic glasses. <i>Acta Materialia</i> , 2012 , 60, 1946-1956	8.4	17
15	Mechanism of the giant irreversible positive magnetic entropy change in a Tb-based bulk metallic glass. <i>Applied Physics Letters</i> , 2012 , 101, 062411	3.4	4
14	The use of [Fe(dithiooxalate) ₂ (NO)] ₂ as a tecton in crystal engineering. <i>CrystEngComm</i> , 2011 , 13, 5082	3.3	8
13	Combined in-situ SAXS/WAXS and HRTEM study on crystallization of (Cu ₆₀ Co ₄₀) _{1-x} Zrx metallic glasses. <i>Journal of Non-Crystalline Solids</i> , 2011 , 357, 1538-1546	3.9	7
12	Influence of sample geometry on determination of magnetocaloric effect for Gd ₆₀ Co ₃₀ Al ₁₀ glassy ribbons using direct and indirect methods. <i>Journal of Magnetism and Magnetic Materials</i> , 2011 , 323, 1782-1786	2.8	25
11	Magnetic ordering and slow dynamics in a Ho-based bulk metallic glass with moderate random magnetic anisotropy. <i>Journal of Applied Physics</i> , 2011 , 109, 113904	2.5	4
10	Low-temperature crystal structure, specific heat, and dielectric properties of lithium tetraborate Li ₂ B ₄ O ₇ . <i>Journal of Applied Physics</i> , 2010 , 108, 093524	2.5	24
9	Giant irreversible positive to large reversible negative magnetic entropy change evolution in Tb-based bulk metallic glass. <i>Physical Review B</i> , 2010 , 82,	3.3	19
8	Phase separation in Ni ₇₀ Nb _{30-x} Yx glasses. <i>Intermetallics</i> , 2010 , 18, 1842-1845	3.5	6
7	Surface oxidation and magnetic properties of (Cu ₆₀ Co ₄₀) ₆₈ Zr ₃₂ glassy ribbons. <i>Journal of Alloys and Compounds</i> , 2010 , 506, 520-525	5.7	2
6	Low temperature structural variations and molar heat capacity of stolzite, PbWO ₄ . <i>Journal of Solid State Chemistry</i> , 2010 , 183, 1245-1251	3.3	5
5	Magnetic properties of the solid solution series. <i>Journal of Magnetism and Magnetic Materials</i> , 2010 , 322, L1-L3	2.8	18
4	Magnetocaloric effect in Gd-based Gd ₆₀ FexCo _{30-x} Al ₁₀ metallic glasses. <i>Journal of Magnetism and Magnetic Materials</i> , 2010 , 322, 2298-2303	2.8	45
3	Crystal chemistry, structure and magnetic properties of the Cu(Mo _x W _{1-x})O ₄ solid solution series. <i>Philosophical Magazine</i> , 2008 , 88, 1235-1258	1.6	7

- 2 Investigation on the influence of particular structure parameters on the anisotropic spin-exchange interactions in the distorted wolframite-type oxides $\text{Cu}(\text{Mo}(x)\text{W}(1-x))\text{O}_4$. *Inorganic Chemistry*, **2007**, 46, 378-80 5.1 14
- 1 Magnetic phase diagrams of $-\text{MnMoO}_4$. *Journal of Magnetism and Magnetic Materials*, **2006**, 305, 57-62 2.8 18