Zhenhui

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6214340/publications.pdf

Version: 2024-02-01

20 papers	502 citations	759233 12 h-index	752698 20 g-index
20 all docs	20 docs citations	20 times ranked	437 citing authors

#	Article	IF	Citations
1	Tremendous enhancement of magnetic performance for Sm(CoFeCuZr) magnet based on multiscale copper redistribution. Journal of Rare Earths, 2022, 40, 1592-1597.	4.8	2
2	Room-temperature hydrogen spillover achieving stoichiometric hydrogenation of NO3â^' and NO2â^' into N2 over CuPd nanowire network. Rare Metals, 2022, 41, 851-858.	7.1	23
3	Effects of Shape Anisotropy on Hardâ€“Soft Exchange-Coupled Permanent Magnets. Nanomaterials, 2022, 12, 1261.	4.1	9
4	Effect of stacking faults on magnetic properties and magnetization reversal in Co nanowires. Materials Characterization, 2022, 187, 111861.	4.4	8
5	Stabilizing interface of SmCo5/Co nanocomposites by graphene shells. Rare Metals, 2022, 41, 1223-1229.	7.1	6
6	Chemically synthesizing exchange-coupled SmCo5/Sm2Co17 nanocomposites. Rare Metals, 2021, 40, 575-581.	7.1	9
7	Tip Interface Exchange-Coupling Based on â€œBi-Anisotropicâ€•Nanocomposites with Low Rare-Earth Content. ACS Applied Materials & Interfaces, 2021, 13, 13548-13555.	8.0	8
8	A facile chemical synthesis of PrCo5 particles with high performance. Journal of Alloys and Compounds, 2020, 812, 151674.	5.5	12
9	Sm2Co7 nanophase inducing low-temperature hot deformation to fabricate high performance SmCo5 magnet. Scripta Materialia, 2020, 178, 34-38.	5.2	19
10	A unique synthesis of rare-earth-Co-based single crystal particles by â€œself-alignedâ€•Co nano-arrays. Nanoscale, 2020, 12, 13958-13963.	5.6	12
11	Stabilizing Hard Magnetic SmCo₅ Nanoparticles by N-Doped Graphitic Carbon Layer. Journal of the American Chemical Society, 2020, 142, 8440-8446.	13.7	37
12	Magnetic properties and magnetization reversal in Co nanowires with different morphology. Journal of Magnetism and Magnetic Materials, 2019, 469, 203-210.	2.3	25
13	A Flameâ€Reaction Method for the Largeâ€Scale Synthesis of Highâ€Performance Sm_xCo_y Nanomagnets. Angewandte Chemie - International Edition, 2019, 58, 14509-14512.	13.8	39
14	Magnetically recyclable Sm2Co17/Cu catalyst to chemoselectively reduce the 3-nitrostyrene into 3-vinylaniline under room temperature. Nano Research, 2019, 12, 3085-3088.	10.4	20
15	Chemically synthesized anisotropic SmCo₅ nanomagnets with a large energy product. Nanoscale, 2019, 11, 12484-12488.	5.6	22
16	A facile synthesis of anisotropic SmCo5 nanochips with high magnetic performance. Chemical Engineering Journal, 2018, 343, 1-7.	12.7	38
17	Designing shape anisotropic SmCo₅ particles by chemical synthesis to reveal the morphological evolution mechanism. Nanoscale, 2018, 10, 10377-10382.	5.6	42
18	A novel strategy to synthesize anisotropic SmCo₅ particles from Co/Sm(OH)₃ composites with special morphology. Journal of Materials Chemistry C, 2018, 6, 8522-8527.	5.5	35

#	Article	IF	Citations
19	Fabrication of bulk nanostructured permanent magnets with high energy density: challenges and approaches. Nanoscale, 2017, 9, 3674-3697.	5.6	118
20	Manipulation of morphology and magnetic properties in cobalt nanowires. AIP Advances, 2017, 7, 056229.	1.3	18