

# 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	Fabrication of bulk nanostructured permanent magnets with high energy density: challenges and approaches. <i>Nanoscale</i> , 2017, 9, 3674-3697.	5.6	118
2	Designing shape anisotropic SmCo <sub>5</sub> particles by chemical synthesis to reveal the morphological evolution mechanism. <i>Nanoscale</i> , 2018, 10, 10377-10382.	5.6	42
3	A Flameâ€Reaction Method for the Largeâ€Scale Synthesis of Highâ€Performance Sm <sub>x</sub> Co <sub>y</sub> Nanomagnets. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14509-14512.	13.8	39
4	A facile synthesis of anisotropic SmCo <sub>5</sub> nanochips with high magnetic performance. <i>Chemical Engineering Journal</i> , 2018, 343, 1-7.	12.7	38
5	Stabilizing Hard Magnetic SmCo <sub>5</sub> Nanoparticles by N-Doped Graphitic Carbon Layer. <i>Journal of the American Chemical Society</i> , 2020, 142, 8440-8446.	13.7	37
6	A novel strategy to synthesize anisotropic SmCo <sub>5</sub> particles from Co/Sm(OH) <sub>3</sub> composites with special morphology. <i>Journal of Materials Chemistry C</i> , 2018, 6, 8522-8527.	5.5	35
7	Magnetic properties and magnetization reversal in Co nanowires with different morphology. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 469, 203-210.	2.3	25
8	Room-temperature hydrogen spillover achieving stoichiometric hydrogenation of NO <sub>3</sub> <sup>-</sup> and NO <sub>2</sub> <sup>-</sup> into N <sub>2</sub> over CuPd nanowire network. <i>Rare Metals</i> , 2022, 41, 851-858.	7.1	23
9	Chemically synthesized anisotropic SmCo <sub>5</sub> nanomagnets with a large energy product. <i>Nanoscale</i> , 2019, 11, 12484-12488.	5.6	22
10	Magnetically recyclable Sm <sub>2</sub> Co <sub>17</sub> /Cu catalyst to chemoselectively reduce the 3-nitrostyrene into 3-vinylaniline under room temperature. <i>Nano Research</i> , 2019, 12, 3085-3088.	10.4	20
11	Sm <sub>2</sub> Co <sub>7</sub> nanophase inducing low-temperature hot deformation to fabricate high performance SmCo <sub>5</sub> magnet. <i>Scripta Materialia</i> , 2020, 178, 34-38.	5.2	19
12	Manipulation of morphology and magnetic properties in cobalt nanowires. <i>AIP Advances</i> , 2017, 7, 056229.	1.3	18
13	A facile chemical synthesis of PrCo <sub>5</sub> particles with high performance. <i>Journal of Alloys and Compounds</i> , 2020, 812, 151674.	5.5	12
14	A unique synthesis of rare-earth-Co-based single crystal particles by â€self-alignedâ€Co nano-arrays. <i>Nanoscale</i> , 2020, 12, 13958-13963.	5.6	12
15	Chemically synthesizing exchange-coupled SmCo <sub>5</sub> /Sm <sub>2</sub> Co <sub>17</sub> nanocomposites. <i>Rare Metals</i> , 2021, 40, 575-581.	7.1	9
16	Effects of Shape Anisotropy on Hardâ€Soft Exchange-Coupled Permanent Magnets. <i>Nanomaterials</i> , 2022, 12, 1261.	4.1	9
17	Tip Interface Exchange-Coupling Based on â€Bi-Anisotropicâ€Nanocomposites with Low Rare-Earth Content. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 13548-13555.	8.0	8
18	Effect of stacking faults on magnetic properties and magnetization reversal in Co nanowires. <i>Materials Characterization</i> , 2022, 187, 111861.	4.4	8

#	ARTICLE	IF	CITATIONS
19	Stabilizing interface of SmCo <sub>5</sub> /Co nanocomposites by graphene shells. <i>Rare Metals</i> , 2022, 41, 1223-1229.	7.1	6
20	Tremendous enhancement of magnetic performance for Sm(CoFeCuZr) magnet based on multiscale copper redistribution. <i>Journal of Rare Earths</i> , 2022, 40, 1592-1597.	4.8	2