Takashi Naka

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2703872/publications.pdf

Version: 2024-02-01

54	1,391	430874	330143
papers	citations	18 h-index	37 g-index

55	55	55	1800
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ferromagnetism and exchange bias in compressed ilmenite-hematite solid solution as a source of planetary magnetic anomalies. Science Advances, 2022, 8, eabj2487.	10.3	0
2	Bottom-up synthesis of 2D layered high-entropy transition metal hydroxides. Nanoscale Advances, 2022, 4, 2468-2478.	4.6	17
3	Slow spin dynamics in a CoM₂O₄ A-site spinel (M=Al, Ga, and Rh). Journal of Physics Communications, 2022, 6, 055001.	1.2	1
4	Cluster glass transition and relaxation in the random spinel <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CoGa</mml:mi><mml:mn>2</mml:mn></m mathvariant="normal">O</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2021, 103, .	3.2	7
5	Size-tunable synthesis of iron oxide nanocrystals by continuous seed-mediated growth: role of alkylamine species in the stepwise thermal decomposition of iron(ii) oxalate. Dalton Transactions, 2021, 50, 16021-16029.	3.3	2
6	Superconducting and structural properties of the type-I superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>PdTe</mml:mi></mml:mrow><mml:mn>2</ under high pressure. Physical Review B, 2021, 104, .	3.2	7
7	Emergence of ferromagnetism due to charge transfer in compressed ilmenite powder using super-high-energy ball milling. Scientific Reports, 2020, 10, 5293.	3.3	2
8	Superconductivity under pressure in the Dirac semimetal PdTe2. Journal of Physics Condensed Matter, 2020, 32, 025603.	1.8	19
9	Impact of isoelectronic substitution and hydrostatic pressure on the quantum critical properties of CeRhSi₃. Journal of Physics Condensed Matter, 2020, 32, 425601.	1.8	1
10	Chemical and physical pressure effects in the A-site spinel antiferromagnets CoM2O4 (M = Al, Co, and) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.6	5
11	Review of High Pressure Studies on Doped Bi₂Se₃ Superconductors. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 2020, 30, 290-297.	0.0	0
12	Shape-Controlled Syntheses of Magnetite Microparticles and Their Magnetorheology. International Journal of Molecular Sciences, 2019, 20, 3617.	4.1	7
13	Influence of pH tuning at the precursor-preparation process on the structural characteristics and catalytic performance of hydrothermally synthesized ZnAl₂O₄ nanoparticles. Journal of Asian Ceramic Societies, 2018, 6, 7-12.	2.3	7
14	Direct Conversion from Oleylamine-coordinated Iron Oxalate Powder to Colloidal Magnetite Nanoparticle <i>via</i> Simple Thermal Treatment. Chemistry Letters, 2018, 47, 1333-1336.	1.3	2
15	Observation of the First Spin Crossover in an Iron(II) Complex with an S₆ Coordination Environment: Tris[bis(<i>N</i>,<i>N</i>â€diethylamino)carbeniumdithiocarboxylato]iron(II) Hexafluorophosphate. Chemistry - A European Journal, 2018, 24, 17955-17963.	3.3	6
16	Synthesis of laminated composites of alumina and nickel oxides by AC anodization and electrodeposition. Surface and Coatings Technology, 2017, 310, 93-97.	4.8	3
17	Practical Solution for Effective Whole-Body Magnetic Fluid Hyperthermia Treatment. Journal of Nanomaterials, 2017, 2017, 1-7.	2.7	6
18	Synthesis of singleâ€phase ZnAl₂O₄ nanoparticles via a wet chemical approach and evaluation of crystal structure characteristics. Crystal Research and Technology, 2016, 51, 324-332.	1.3	6

#	Article	IF	Citations
19	Composition induced metalâ€“insulator quantum phase transition in the Heusler type Fe₂VAl. Journal of Physics Condensed Matter, 2016, 28, 285601.	1.8	5
20	Rotational symmetry breaking in the topological superconductor SrxBi2Se3 probed by upper-critical field experiments. Scientific Reports, 2016, 6, 28632.	3.3	131
21	High-pressure study of the basal-plane anisotropy of the upper critical field of the topological superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Sr</mml:mi><mml:mi>x</mml:mi></mml:ms Physical Review B, 2016, 94, .	3.2	32
22	CeO2 nanocatalysts for the chemical recycling of polycarbonate. Catalysis Communications, 2016, 84, 93-97.	3.3	39
23	Multistage ordering and critical singularities inCo1â^'xZnxAl2O4(0â‰¤xâ‰¤1): Dilution and pressure effects in a magnetically frustrated system. Physical Review B, 2015, 91, .	3.2	8
24	Influence of the crystal structure on the physical properties of monoclinic ZrO 2 nanocrystals. Nano Structures Nano Objects, 2015, 1, 1-6.	3.5	3
25	Spectroscopic and crystallographic anomalies of (Co_{1â^'x}Zn_x)Al₂O₄ spinel oxide. Dalton Transactions, 2015, 44, 997-1008.	3.3	16
26	Angular variation of the magnetoresistance of the superconducting ferromagnet UCoGe. Physical Review B, 2014, 89, .	3.2	4
27	Synthesis of monocarboxylic acid-modified CeO₂ nanoparticles using supercritical water. RSC Advances, 2014, 4, 49605-49613.	3.6	36
28	Low-temperature crystal growth of aluminium-doped zinc oxide nanoparticles in a melted viscous liquid of alkylammonium nitrates for fabrication of their transparent crystal films. CrystEngComm, 2014, 16, 10539-10546.	2.6	5
29	Inhomogeneous magnetic phase in Coâ€“Alâ€“O spinel nanocrystals. Journal of Magnetism and Magnetic Materials, 2014, 350, 161-166.	2.3	3
30	Quenching ilmenite with a high-temperature and high-pressure phase using super-high-energy ball milling. Scientific Reports, 2014, 4, 4700.	3.3	6
31	Characteristics of a granular electronic system in Heusler-type Fe2+xV1â^'xAl. Journal of Physics Condensed Matter, 2013, 25, 275603.	1.8	2
32	Ferromagnetic quantum singularities and small pseudogap formation in Heusler type Fe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn><mml:mo>+</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>V<mml:ma xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>Al. Physical Review B, 2012, 85, .	3.2	14
33	Superconductivity in noncentrosymmetric YPtBi under pressure. Physical Review B, 2012, 86, .	3.2	73
34	Synthesis of surface-modified monoclinic ZrO2 nanoparticles using supercritical water. CrystEngComm, 2012, 14, 2132.	2.6	44
35	Simple and rapid synthesis of ZrO2 nanoparticles from Zr(OEt)4 and Zr(OH)4 using a hydrothermal method. CrystEngComm, 2012, 14, 2117.	2.6	41
36	Supercritical hydrothermal synthesis of hydrophilic polymer-modified water-dispersible CeO₂nanoparticles. CrystEngComm, 2011, 13, 2841-2848.	2.6	72

#	Article	IF	Citations
37	Electrical Resistivity and Thermopower of the Heusler Compound Fe_{1.98}V_{1.02}Al. Journal of the Physical Society of Japan, 2011, 80, SA115.	1.6	0
38	Surface ligand assisted valence change in ceria nanocrystals. Physical Review B, 2011, 84, .	3.2	29
39	Weak itinerant ferromagnetism in Heusler-type<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Fe</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub> Physical Review B, 2010, 82, .	3.2	21
40	Preparation of Ba-Hexaferrite Nanocrystals by an Organic Ligand-Assisted Supercritical Water Process. Crystal Growth and Design, 2010, 10, 11-15.	3.0	26
41	Dispersion of Fatty Acid Surface Modified Ceria Nanocrystals in Various Organic Solvents. Industrial & Engineering Chemistry Research, 2010, 49, 1947-1952.	3.7	34
42	Growth Mechanism and Surface Chemical Characteristics of Dicarboxylic Acid-Modified CeO₂ Nanocrystals Produced in Supercritical Water: Tailor-Made Water-Soluble CeO₂ Nanocrystals. Crystal Growth and Design, 2009, 9, 5297-5303.	3.0	88
43	Crystal size and magnetic field effects in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Co</mml:mtext></mml:mrow><mml:mn>3</mml:mn></mml:msub> nanocrystals. Physical Review B, 2009, 79, .	3.2	76
44	Transparent CoAl₂O₄ Hybrid Nano Pigment by Organic Ligand-Assisted Supercritical Water. Journal of the American Chemical Society, 2007, 129, 11061-11066.	13.7	102
45	Colloidal Ceria Nanocrystals: A Tailor-Made Crystal Morphology in Supercritical Water. Advanced Materials, 2007, 19, 203-206.	21.0	295
46	Transport and magnetic properties in the Heusler-type Fe2+xV1â^'xAl under high pressure. Journal of Magnetism and Magnetic Materials, 2007, 310, 1059-1061.	2.3	7
47	Pressure-Induced Metal-Insulator Transition in the Itinerant Antiferromagnet Nb_{12−<I>x</I>}Ti<I>_x</I>O₂₉ (<I>x</I>=0 and 0.2). Materials Transactions, 2006, 47, 501-503.	1.2	1
48	Origin of the difference between the high and low-Tcphases in the yttrium sesquicarbide system. Science and Technology of Advanced Materials, 2006, 7, S99-S103.	6.1	5
49	Transport Properties of Heusler Compounds Fe3-xVxAl. Journal of the Physical Society of Japan, 2005, 74, 1378-1381.	1.6	29
50	Magnetic anisotropy in the pressure-induced phase of the orthorhombic PrCu2. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 201-202.	2.3	0
51	Pressure-induced Magnetic Transition in the Van Vleck Paramagnet PrCu2. Journal of the Physical Society of Japan, 2003, 72, 1758-1762.	1.6	4
52	Pseudogap and transport properties inFe3â^'xVxAly(x=0.5â€“1.05;y=0.95,1.05). Physical Review B, 2002, 65, .	3.2	39
53	Pressure effects of susceptibility and specific heat in PrCu2. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 1008-1010.	2.3	3
54	Structural and optical properties of Zn-deficient ZnGa2O4 nanoparticles hydrothermally synthesized at low temperature by rapid heating using microwaves. Journal of Materials Science: Materials in Electronics, 0, , .	2.2	0