Agustinus Agung Nugroho

List of Publications by Year
in descending order

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125 papers	3,375 citations	201674 27 h-index	149698 56 g-index
126 all docs	126 docs citations	126 times ranked	4026 citing authors

#	Article	IF	Citations
1	Chirality of magnetic excitations in ferromagnetic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>SrRuO</mml:mi><mml:mn>3</mml:mn></mml:msub></m Physical Review B, 2022, 105, .	3.2	
2	Experimental Verification For Magnon and Photon Generation using YIG-Loaded Planar Resonator. , 2022, , .		0
3	Strain relaxation dynamics of multiferroic orthorhombic manganites. Journal of Physics Condensed Matter, 2021, 33, 125402.	1.8	5
4	Measurement of Spin Dynamics in a Layered Nickelate Using X-Ray Photon Correlation Spectroscopy: Evidence for Intrinsic Destabilization of Incommensurate Stripes at Low Temperatures. Physical Review Letters, 2021, 127, 057001.	7.8	6
5	Logarithmic criticality in transverse thermoelectric conductivity of the ferromagnetic topological semimetal CoMnSb. Physical Review B, 2021, 104, .	3.2	3
6	The effect of the A-Site cation on the structural transformations in ABi4Ti4O15 (A= Ba, Sr): Raman scattering studies. Journal of Solid State Chemistry, 2020, 283, 121131.	2.9	8
7	Temperature-dependent photoluminescence of H2TPP and ZnTPP thin films on Si substrates. IOP Conference Series: Materials Science and Engineering, 2020, 858, 012036.	0.6	5
8	Estimation of Muon Stopping Site in CoCr2O4 Using Density Functional Theory. IOP Conference Series: Materials Science and Engineering, 2020, 924, 012027.	0.6	1
9	Revealing the Real Size of a Porphyrin Molecule with Quantum Confinement Probing via Temperature-Dependent Photoluminescence Spectroscopy. Journal of Physical Chemistry A, 2020, 124, 2672-2682.	2.5	18
10	Correlations between electronic order and structural distortions and their ultrafast dynamics in the single-layer manganite <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">P</mml:mi><mml:msub><mml:mi mathvariant="normal">r</mml:mi><mml:mrow><mml:mn>0.5</mml:mn></mml:mrow></mml:msub><mml:mi mathvariant="normal">C</mml:mi><mml:msub><mml:mi	3.2	5
11	Observation of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>E</mml:mi><mml:mn>8</mml:mn></mml:msub></m particles in an Ising chain antiferromagnet. Physical Review B, 2020, 101, .	3.2	21
12	Crystal Structure and Magnetic Properties of the Ferromagnet CoMnSb. , 2020, , .		2
13	Crystal Structure and Magnetic Properties of Non-Stoichiometric Co₂MnGa Heusler Alloy. Materials Science Forum, 2019, 966, 319-324.	0.3	0
14	Scanning tunneling microscopy on cleaved Mn3Sn(0001) surface. Scientific Reports, 2019, 9, 9677.	3.3	7
15	Interplay of Electronic and Spin Degrees in Ferromagnetic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>SrRuO</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn> : Anomalous Softening of the Magnon Gap and Stiffness. Physical Review Letters, 2019, 123, 017202.	7.8	24
16	Thermoelectric Performance of Ge_{0.99-x}Na_{0.01}Ag_xSe. Journal of Physics: Conference Series, 2019, 1245, 012094.	0.4	2
17	Deciphering the Interface of a Highâ€Voltage (5 Vâ€Class) Liâ€Ion Battery Containing Additiveâ€Assisted Sulfolaneâ€Based Electrolyte. Small Methods, 2019, 3, 1900546.	8.6	33
18	Direct Visualization of Spatial Inhomogeneity of Spin Stripes Order in La1.72Sr0.28NiO4. Condensed Matter, 2019, 4, 77.	1.8	10

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19	The Study on Tuning Photoluminescence of Colloidal Graphene Quantum Dots Synthesized through Laser Ablation. Materials Science Forum, 2019, 966, 3-7.	0.3	1
20	Giant anomalous Nernst effect and quantum-critical scaling in a ferromagnetic semimetal. Nature Physics, 2018, 14, 1119-1124.	16.7	366
21	A simple method to examine room-temperature corrosion of graphene-coated copper foil after stored for 2.5 years. Materials Research Express, 2018, 5, 105016.	1.6	4
22	3D long-range magnetic ordering in (C2H5NH3)2CuCl4 compound revealed by internal magnetic field from muon spin rotation and first principal calculation. Physica B: Condensed Matter, 2018, 545, 76-79.	2.7	4
23	Evidence for magnetic Weyl fermions in a correlated metal. Nature Materials, 2017, 16, 1090-1095.	27.5	450
24	Temperature Dependent Raman Studies of Pr2Zr2O7 Single Crystal. IOP Conference Series: Materials Science and Engineering, 2017, 196, 012051.	0.6	0
25	Raman scattering study of the effect of A- and B-site substitution on the room-temperature structure of ABi₄Ti₄O₁₅. IOP Conference Series: Materials Science and Engineering, 2017, 196, 012041.	0.6	2
26	Anomalous Nernst effect in a microfabricated thermoelectric element made of chiral antiferromagnet Mn3Sn. Applied Physics Letters, 2017, 111, .	3.3	38
27	Electronic signature of the vacancy ordering in NbO(Nb3O3). Physical Review B, 2017, 96, .	3.2	16
28	Structural transformations in Pb_{1â€‰â^'â€‰x}Bi_{4â€‰+â€‰x}Ti_{4â€‰â^'â€‰x}Mn2.5 _x</sub>	2.5	1
29	Magnetic shape-memory effect in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>SrRuO</mml:mi><mml:mn>3</mml:mn></mml:msub></m Physical Review B, 2017, 96, .	3.2	15
30	3rd International Conference on Functional Materials Science 2016. IOP Conference Series: Materials Science and Engineering, 2017, 196, 011001.	0.6	0
31	Thermal Reduction Study of Graphene Oxide Paper. IOP Conference Series: Materials Science and Engineering, 2017, 196, 012027.	0.6	1
32	Magnetic and Transport Properties of Frustrated Î³-MnPd alloys. Journal of Physics: Conference Series, 2016, 683, 012026.	0.4	0
33	Magnetic anisotropy of large floatingâ€zoneâ€grown singleâ€crystals of SrRuO₃. Crystal Research and Technology, 2016, 51, 299-305.	1.3	17
34	Preparation of graphene oxide/poly (3,4-ethylenedioxytriophene): Poly (styrene sulfonate) (PEDOT:PSS) electrospun nanofibers. AIP Conference Proceedings, 2016, , .	0.4	3
35	Preparation of graphene oxide/poly (3,4-ethylenedioxytriophene): Poly (styrene sulfonate) (PEDOT:PSS) electrospun nanofibers. AIP Conference Proceedings, 2016, , .	0.4	1
36	Cross-type orbital ordering in the layered hybrid organic-inorganic compound <mml:math		

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37	Raman and infrared study of 4f electronâ€“phonon coupling in HoVO₃. Journal of Physics Condensed Matter, 2016, 28, 435401.	1.8	3
38	Anisotropic lattice dynamics and intermediate-phase magnetism in delafossite<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>CuFeO</mml:mi><mml:mn>2</mml:mn></mml:msub></r Physical Review B, 2015, 92, .	3.2	16
39	Correlation between lattice vibrations with charge, orbital, and spin ordering in the layered manganite<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Pr</mml:mi><mml:mrow><mml:mn>0.5</m Physical Review B, 2015, 92, .	3.2	7
40	Highly Anisotropic Magnon Dispersion in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Ca</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>RuO</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:math>: Evidence for Strong Spin Orbit Coupling. Physical Review Letters, 2015, 115, 247201.	7.8	34
41	Observation of large refrigerant capacity in the HoVO3 vanadate single crystal. Journal of Applied Physics, 2015, 118, .	2.5	26
42	Study of phase coexistence in YVO₃ and LaVO₃. Journal of Raman Spectroscopy, 2015, 46, 1157-1160.	2.5	10
43	Dielectric relaxation in YMnO3 single crystals. Journal of Alloys and Compounds, 2015, 638, 228-232.	5.5	22
44	Raman Spectra of Multiferroics TbMnO₃. Advanced Materials Research, 2015, 1112, 23-26.	0.3	1
45	Effects of partial Co replacement by Fe in Sr_{0.775}Y_{0.225}CoO_{3-Î´} on its magnetic property, oxygen deficiency and crystal structure. Materials Science-Poland, 2015, 33, 579-587.	1.0	4
46	Further insights into the structural transformations in PbBi4Ti4O15 revealed by Raman spectroscopy. Journal of Applied Physics, 2015, 117, 064102.	2.5	10
47	Spin-density-wave ordering inCa0.5Sr1.5RuO4studied by neutron scattering. Physical Review B, 2014, 89, .	3.2	8
48	Spectroscopic evidence for exceptionally high orbital moment induced by local distortions in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î±</mml:mi></mml:math>-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mtext>CoV</mml:mtext><mml:mn>2</mml:mn></mml:msub> xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mtext>O</mml:mtext><mml:mn>6</mml:mn></mml:msub><m Physical Review B, 2014, 90, .	3.2	37
49	Search for potential minimum positions in metal-organic hybrids, (C₂H₅NH₃)₂CuCl₄ and (C₆H₅CH₂CH₂NH₃)₂CuCl₄, by using density functional theory. Journal of Physics: Conference Series, 2014, 551, 012054.	0.4	10
50	Synthesis and Characterization of [Fe(picolinate)₃][MnNi(oxalate)₃].CH₃OH Polymeric Complex. Indonesian Journal of Chemistry, 2014, 14, 311-314.	0.8	3
51	Single-crystal study on the low-temperature magnetism of the pyrochlore magnet Pr2Zr2O7. Journal of the Korean Physical Society, 2013, 63, 719-721.	0.7	10
52	Orbital superexchange and crystal field simultaneously at play in YVO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>: Resonant inelastic x-ray scattering at the V<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>L</mml:mi></mml:math>edge and the O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>K</mml:mi></mml:math>	3.2	24
53	Dynamics of photo-excited electrons in magnetically ordered TbMnO₃. Journal of Physics Condensed Matter, 2013, 25, 116007.	1.8	16
54	Temperature-dependent and anisotropic optical response of layered Pr<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.5</mml:mn></mml:mrow></mml:msub></mml:math>Ca<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1.5</mml:mn></mml:mrow></mml:msub></mml:math>MnO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mml:	3.2	13

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55	Photo-induced modulation of ferroelectric polarization in multiferroic TbMnO<inf>3</inf>. , 2013, , .		0
56	Effects of charge-orbital order-disorder phenomena on the unoccupied electronic states in the single-layered half-doped Pr<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.5</mml:mn></mml:mrow></mml:msub></mml:math>Ca<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1.5</mml:mn></mml:mrow></mml:msub></mml:math>MnO<mml:math xmlns:mml	3.2	5
57	Ultrafast optical spectroscopy of the lowest energy excitations in the Mott insulator compound YVO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>: Evidence for Hubbard-type excitons. Physical Review B, 2012, 86, .	3.2	37
58	Spin-Orbital Short-Range Order on a Honeycomb-Based Lattice. Science, 2012, 336, 559-563.	12.6	116
59	Î¼SR Study of Charge Carrier Diffusion in Regioregular Poly(3-Butylthiophene-2,5-Diyl). Physics Procedia, 2012, 30, 97-100.	1.2	9
60	Probing orbital fluctuations in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>R</mml:mi></mml:math>VO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow		

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73	Colossal dielectric constant up to gigahertz at room temperature. Applied Physics Letters, 2009, 94, .	3.3	178
74	Scaling behavior of the magnetocapacitance of YbMnO3. Journal of Physics Condensed Matter, 2009, 21, 496002.	1.8	10
75	Competition between Jahn-Teller coupling and orbital fluctuations in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>HoVO</mml:mtext></mml:mrow><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review B, 2009, 79, .	3.2	24
76	Optically induced spin disorder in YVO3. Journal of Physics: Conference Series, 2009, 148, 012045.	0.4	1
77	Magnetic field induced ferroelectric to relaxor crossover in Tb1âˆ’xCaxMnO3. Journal of Physics Condensed Matter, 2009, 21, 452203.	1.8	1
78	Synthesis and Structure Analysis of Aurivillius Phases Pb1-xBi4-+Ti1-xMnxO15. Journal of the Chinese Chemical Society, 2009, 56, 1108-1111.	1.4	4
79	Dynamics of Spin and Orbital Phase Transitions inYVO3. Physical Review Letters, 2008, 101, 245702.	7.8	21
80	Collective orbital excitations in orbitally ordered YVO₃and HoVO₃. New Journal of Physics, 2008, 10, 053027.	2.9	23
81	Relaxor ferroelectric behavior in Ca-doped<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>TbMnO</mml:mtext></mml:mrow><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review B, 2008, 78, .	3.2	29
82	Mn-dopant-induced effects in Zn_{1âˆ’x}Mn_xO compounds. Journal of Physics Condensed Matter, 2007, 19, 476214.	1.8	9
83	Spin dynamics in a weakly itinerant magnet fromSi29NMR inMnSi. Physical Review B, 2007, 75, .	3.2	35
84	Ferroelectric displacements in multiferroicY(Mn,Ga)O3. Physical Review B, 2007, 75, .	3.2	37
85	Enhancing the magnetoelectric coupling inYMnO3by Ga doping. Physical Review B, 2007, 75, .	3.2	74
86	Lattice effects in HoVo3 single crystal. Journal of Magnetism and Magnetic Materials, 2007, 316, e692-e694.	2.3	5
87	Raman scattering from phonons and magnons inRFe3(BO3)4. Physical Review B, 2006, 74, .	3.2	118
88	Electronic structure of MnSi: The role of electron-electron interactions. Physical Review B, 2006, 73, .	3.2	30
89	Lattice effects in YVO3 single crystal. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 428-430.	2.3	8
90	NMR Evidence for a Two-Step Phase Separation inNd1.85Ce0.15CuO4âˆ’Î´. Physical Review Letters, 2004, 93, 037002.	7.8	7

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91	Vortex dynamics across the second-peak field in SmLa0.8Sr0.2CuO4â^Î´. Physica C: Superconductivity and Its Applications, 2004, 412-414, 490-496.	1.2	0
92	Structural, electronic, and magneto-optical properties ofYVO3. Physical Review B, 2004, 69, .	3.2	59
93	Doping and field effects on the lowest Kramers doublet splitting in La1.6â^'xNd0.4SrxCuO4â^Î´ single crystal. Physica C: Superconductivity and Its Applications, 2003, 392-396, 207-212.	1.2	6
94	Orbital-ordering-induced phase transition inLaVO3andCeVO3. Physical Review B, 2003, 67, .	3.2	61
95	Crossing the Gap fromp- ton-Type Doping: Nature of the States near the Chemical Potential inLa2â^'xSrxCuO4andNd2â^'xCexCuO4â^Î´. Physical Review Letters, 2003, 90, 247005.	7.8	29
96	Electrons, holes, and spin inNd2â^'xCexCuO4â^Î´. Physical Review B, 2003, 67, .	3.2	8
97	Intrinsic parameters of aT*-phaseSmLa0.8Sr0.2CuO4â^Î´single crystal and the fluctuation effects deduced from magnetization data. Physical Review B, 2002, 65, .	3.2	3
98	Neutron diffraction, x-ray diffraction, and specific heat studies of orbital ordering inYVO3. Physical Review B, 2002, 65, .	3.2	107
99	Optical and magneto-optical study of orbital and spin ordering transitions in YVO3. Physica B: Condensed Matter, 2002, 312-313, 783-784.	2.7	3
100	Suppression of 2D fluctuation effect in Bi2Sr2CaCu2O8+Î´ single crystal with excessive-oxygen content. Physica C: Superconductivity and Its Applications, 2002, 369, 286-290.	1.2	3
101	Thermodynamic fluctuations in -phase SmLa0.8Sr0.2CuO4â^Î´ single crystal. Physica C: Superconductivity and Its Applications, 2002, 369, 291-294.	1.2	1
102	Different roles of anisotropy and disorder on the vortex matter of Bi2Sr2CaCu2O8+Î´ single crystal. Physica C: Superconductivity and Its Applications, 2002, 378-381, 479-482.	1.2	7
103	Fishtail effect and the superconducting phase diagram of La1.6â^'xNd0.4SrxCuO4 single crystal. Physica C: Superconductivity and Its Applications, 2002, 378-381, 541-545.	1.2	6
104	4f-levels in rare earth cuprates:. Journal of Alloys and Compounds, 2001, 323-324, 549-553.	5.5	3
105	Variation of vortex-glass dynamics and critical region with oxygen content in Bi2Sr2CaCu2O8+Î´ single crystal. Physica C: Superconductivity and Its Applications, 2001, 357-360, 617-620.	1.2	5
106	Single crystal growth of T*-phase SmLa0.8Sr0.2CuO4. Physica C: Superconductivity and Its Applications, 2001, 363, 25-30.	1.2	4
107	Anisotropy of the neodymium-copper exchange interaction in Nd2CuO4. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 973-975.	2.3	5
108	Raman study of crystal-field excitations inNd2CuO4under pressure. Physical Review B, 2001, 64, .	3.2	3

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109	Peak effects and the solid vortex phase of aT*-phaseSmLa0.8Sr0.2CuO4â^Î´single crystal. Physical Review B, 2001, 64, .	3.2	6
110	Transition between Orbital Orderings inYVO3. Physical Review Letters, 2001, 87, 245501.	7.8	120
111	Magnetic relaxation of Nd1.85Ce0.15CuO4â^Î´ single crystal. Physica C: Superconductivity and Its Applications, 2000, 332, 374-377.	1.2	2
112	STRIPE AND SPIN DYNAMICS IN HOLE DOPED La2NiO4, La2CuO4, Bi2Sr2CaCu2O8 AND ELECTRON DOPED Nd1.85Ce0.15CuO4 SEEN BY NUCLEAR RESONANCE. International Journal of Modern Physics B, 2000, 14, 3368-3373.	2.0	2
113	Magnetic properties of YVO3 single crystals. Physical Review B, 2000, 62, 6577-6586.	3.2	148
114	Infrared study of crystal-field excitations inNd2â^'xCexCuO4. Physical Review B, 2000, 61, 12882-12887.	3.2	13
115	Reversible magnetization of aNd1.85Ce0.15CuO4â^Î´single crystal. Physical Review B, 1999, 60, 15384-15387.	3.2	12
116	Vortex state in aNd1.85Ce0.15CuO4â^Î´single crystal. Physical Review B, 1999, 60, 15379-15383.	3.2	8
117	Temperature-induced magnetization reversal in a YVO3 single crystal. Nature, 1998, 396, 441-444.	27.8	276
118	Phonon Properties of Co:TiO₂ Single Crystal. Materials Science Forum, 0, 827, 360-365.	0.3	0
119	Optical Absorption Spectra of Mn²⁺ in of (C₆H₅CH₂CH₂NH<sub>3</sub and (NH₂CH₂CH₂NH₂)<sub>2</sub Hybrid Compounds. Key Engineering Materials, 0, 811, 179-183.	0.4	5
120	Benchmarking Full-Potential Linearized Augmented Plane Wave (FLAPW) Method for Determination of Muon Stopping Sites in LiF. Key Engineering Materials, 0, 855, 248-252.	0.4	1
121	Density Functional Theory Approach for Muon Sites Estimation in Mn₃Sn. Materials Science Forum, 0, 1028, 199-203.	0.3	0
122	Thermoelectric Properties of SnO₂/Bi₂Te₃ Composite. Materials Science Forum, 0, 1028, 99-104.	0.3	0
123	Synthesis of Bismuth Ferrite and its Application for Oscillator Material up to 25 GHz Range. Materials Science Forum, 0, 1028, 9-14.	0.3	0
124	Evidence for Local Structural Distortion and Mixed States of Fe in <i>Î²</i>-NaFeO₂: A Bond Valence Sum Analysis. Materials Science Forum, 0, 1028, 21-25.	0.3	0
125	Stability of High-Spin State of Iron in Î²-NaFeO₂. Key Engineering Materials, 0, 855, 177-182.	0.4	0