

Vilmos Kocsis

List of Publications by Year in descending order

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31
papers

801
citations

516710

16
h-index

501196

28
g-index

31
all docs

31
docs citations

31
times ranked

1148
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic Order and Sign of the Dzyaloshinskii-Moriya Interaction in 2-D Antiferromagnet Ba ₂ CoGe ₂ O ₇ Under Applied Magnetic Field. IEEE Transactions on Magnetics, 2022, 58, 1-5.	2.1	6
2	Magnetoelastic coupling anisotropy in the Kitaev material $\hat{\Gamma}_2^{\pm}$ RuCl ₃ Physical Review B, 2022, 105, .	3.2	7
3	Frustration model and spin excitations in the helimagnet FeP. Physical Review B, 2022, 105, .	3.2	6
4	Kinetic pathway facilitated by a phase competition to achieve a metastable electronic phase. Physical Review B, 2021, 103, .	3.2	6
5	Spin dynamics study and experimental realization of tunable single-ion anisotropy in multiferroic $\hat{\Gamma}_2^{\pm}$ Ba ₂ CoGe ₂ O ₇ under external magnetic fields. Physical Review B, 2021, 104, .	3.2	4
6	Switching of antiferromagnetic states in $\hat{\Gamma}_2^{\pm}$ LiCoPO ₄ as investigated via the magnetoelectric effect. Physical Review B, 2021, 104, .	3.2	4
7	Suppressed incommensurate order in swedenborgite Ca _{0.5} Y _{0.5} BaCo ₄ O ₇ . Physical Review B, 2021, 104, .	7.8	3
8	In-Situ Electric-Field Control of THz Nonreciprocal Directional Dichroism in the Multiferroic Ba ₂ CoGe ₂ O ₇ . Physical Review Letters, 2021, 127, 157201.	7.1	7
9	Berry curvature generation detected by Nernst responses in ferroelectric Weyl semimetal. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.2	21
10	Strongly scattered phonon heat transport of the candidate Kitaev material $\hat{\Gamma}_2^{\pm}$ Na ₂ Co ₂ O ₇ Physical Review B, 2021, 104, .	3.2	11
11	Giant magneto-optical responses in magnetic Weyl semimetal Co ₃ Sn ₂ S ₂ . Nature Communications, 2020, 11, 4619.	12.8	51
12	Field-induced transitions in the Kitaev material $\hat{\Gamma}_2^{\pm}$ RuCl ₃ probed by thermal expansion and magnetostriction. Physical Review B, 2020, 101, .	12.8	51
13	Stability of multiferroic phase and magnetization-polarization coupling in $\hat{\Gamma}_2^{\pm}$ Y-type hexaferrite crystals. Physical Review B, 2020, 101, .	3.2	12
14	Spin excitations of magnetoelectric $\hat{\Gamma}_2^{\pm}$ LiNiPO ₄ in multiple magnetic phases. Physical Review B, 2019, 100, .	3.2	5
15	Magnetoelastic spectroscopy of spin excitations in LiCoPO ₄ . Physical Review B, 2019, 100, .	12.8	51
16	Magnetization-polarization cross-control near room temperature in hexaferrite single crystals. Nature Communications, 2019, 10, 1247.	3.2	12
17	Directional dichroism in the paramagnetic state of multiferroics: A case study of infrared light absorption in Sr ₂ CoSi ₂ O ₇ at high temperatures. Physical Review B, 2019, 99, .	3.2	12
18	Strong magneto-optical effects in $\hat{\Gamma}_2^{\pm}$ A ₂ Cr ₂ O ₇ (A = Ba, Sr, Ca, Pb, Bi, Bi ²⁺) Physical Review B, 2019, 99, .	3.2	12

#	ARTICLE	IF	CITATIONS
19	Identification of Antiferromagnetic Domains Via the Optical Magnetoelectric Effect. Physical Review Letters, 2018, 121, 057601.	7.8	28
20	Magnetic resonances of multiferroic TbFeO_3 . Physical Review B, 2017, 95, .	3.2	10
21	Competing exchange interactions in multiferroic and ferrimagnetic $\text{CaBaCo}_4\text{O}_7$. Physical Review B, 2017, 95, .	3.2	16
22	Origin of forbidden reflections in multiferroic $\text{Ba}_2\text{CoGe}_2\text{O}_7$ by neutron diffraction: symmetry lowering or Renninger effect?. Journal of Applied Crystallography, 2016, 49, 556-560.	4.5	10
23	Magnetoelectric effect and magnetic phase diagram of a polar ferrimagnet $\text{CaBaFe}_4\text{O}_7$. Physical Review B, 2016, 93, .	3.2	19
24	Unidirectional terahertz light absorption in the pyroelectric ferrimagnet $\text{CaBaCo}_4\text{O}_7$. Physical Review B, 2015, 92, .	3.2	30
25	Uniaxial-Stress Control of Spin-Driven Ferroelectricity in Multiferroic $\text{Ba}_2\text{CoGe}_2\text{O}_7$. Physical Review Letters, 2015, 114, 067201.	3.2	19
26	Effect of spin excitations with simultaneous magnetic- and electric-dipole character on the static magnetoelectric properties of multiferroic materials. Physical Review B, 2014, 89, .	3.2	26
27	One-way transparency of four-coloured spin-wave excitations in multiferroic materials. Nature Communications, 2014, 5, 3203.	12.8	94
28	Electrochemical template synthesis of protein-imprinted magnetic polymer microrods. Journal of Materials Science, 2013, 48, 5209-5218.	3.7	27
29	CrO_2		