

Ante Bilusic

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Reciprocal skin effect and its realization in a topoelectrical circuit. Physical Review Research, 2020, 2, . Intrinsic electrical, magnetic, and thermal properties of single-crystalline $\text{Al}_{62}\text{Cu}_{25.5}\text{Fe}_{12.5}$ quasicrystal: Experiment and modeling. Physical Review B, 2007, 76, .	3.6	230
2	$\text{Al}_{62}\text{Cu}_{25.5}\text{Fe}_{12.5}$ quasicrystal: Phonon scattering in quasicrystalline $\text{i-Al}_{72}\text{Pd}_{19.5}\text{Mn}_{8.5}$: A study of the low-temperature thermal conductivity. Journal of Alloys and Compounds, 2007, 432, 1-6.	3.2	40
3	Figure of merit of quasicrystals: the case of $\text{Al}_{37}\text{Cu}_{43}\text{Fe}$. Vacuum, 2001, 61, 345-348.	5.5	38
4	Thermal and thermoelectric properties of icosahedral $\text{Al}_{62}\text{Cu}_{25.5}\text{Fe}_{12.5}$ quasicrystal. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2000, 294-296, 711-714.	5.6	28
5	Magnetic and transport properties of the giant-unit-cell Al_3Mg_2 complex metallic alloy. Intermetallics, 2007, 15, 1367-1376. Origin of anisotropic nonmetallic transport in the $\text{Cr}_{37}\text{Mg}_{62}$ approximant. Physical Review B, 2007, 76, .	3.9	28
6	Quantum-critical region of the disorder-driven superconductor-insulator transition. Physica C: Superconductivity and Its Applications, 2008, 468, 316-321.	1.2	27
7	Ground-state order and spin-lattice coupling in tetrahedral spin systems $\text{Cu}_2\text{Te}_2\text{O}_5\text{X}_2$ ($\text{X}=\text{Br or Cl}$). Physical Review B, 2004, 69, .	3.2	24
8	Magnetic, electrical, thermal transport, and thermoelectric properties of the $\text{Al}_{3/4}\text{Pd}_{1/4}$ and $\text{Al}_{3/4}\text{Mn}_{1/4}$ complex metallic alloy phases in the Al-Pd-Mn system. Physical Review B, 2005, 72, .	3.2	23
9	Electrical, magnetic, thermal and thermoelectric properties of the $\text{Mg}_{32}(\text{Al}, \text{Zn})_{49}$ complex metallic alloy. Journal of Alloys and Compounds, 2007, 430, 29-38.	5.5	21
10	Magnetic, electrical and thermal transport properties of $\text{Al}_{37}\text{Cr}_{43}\text{Fe}$ approximant phases. Journal of Alloys and Compounds, 2006, 407, 65-73.	5.5	19
11	High-pressure study of transport properties in $\text{Co}_{37}\text{Mg}_{62}$. Physical Review B, 2011, 83, .	3.2	17
12	Acoustic and thermal transport properties of hard carbon formed from C_{60} fullerene. Physical Review B, 2002, 66, .	3.2	15
13	Transport properties of icosahedral quasicrystal $\text{Al}_{72}\text{Pd}_{19.5}\text{Mn}_{8.5}$. Journal of Alloys and Compounds, 2002, 342, 413-415.	5.5	15
14	Origin of the maximum in the temperature-dependent electrical resistivity of quasicrystals. Journal of Physics Condensed Matter, 2002, 14, 6975-6988.	1.8	14
15	Complex $\tilde{\epsilon}$ -phases in the $\text{Al}-\text{Pd}$ -transition metal systems: Towards a combination of an electrical conductor with a thermal insulator. Journal of Alloys and Compounds, 2008, 450, 92-102.	5.5	11
16	Structural (XRD and HRTEM) investigations of fullerite C_{60} and C_{70} samples. Materials Science and Engineering C, 2002, 19, 21-25.	7.3	9

#	ARTICLE	IF	CITATIONS
19	Heat Transport in Aluminum-Based Quasicrystals <i>i</i>â€¢AlPdMn, <i>i</i>â€¢AlCuFe, and <i>d</i>â€¢AlCoNi. Israel Journal of Chemistry, 2011, 51, 1340-1348.	2.3	9
20	Anisotropy of the thermal conductivity in (TaSe4)2I. Physica B: Condensed Matter, 2002, 316-317, 279-282.	2.7	7
21	Magnetic ordering and ergodicity of the spin system in the Cu2Te2O5X2 family of quantum magnets. Physical Review B, 2006, 73, .	3.2	7
22	Reversal of Nonlocal Vortex Motion in the Regime of Strong Nonequilibrium. Physical Review Letters, 2010, 104, 027005.	7.8	7
23	Dual threshold diode based on the superconductor-to-insulator transition in ultrathin TiN films. Applied Physics Letters, 2013, 102, .	3.3	7
24	Low-temperature thermal conductivity of icosahedral Al63Cu25Fe12 and Al62Cu25.5Fe12.5 quasicrystals. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2000, 294-296, 706-710.	5.6	6
25	Nonlocal versus local vortex dynamics in the transversal flux transformer effect. Physical Review B, 2010, 81, .	3.2	5
26	Thermal and electrical conductivities in Al-based complex metallic alloys. Philosophical Magazine, 2008, 88, 2155-2162.	1.6	4
27	Non-linear conduction in the critical region of the superconductor-insulator transition in TiN thin films. Journal of Physics: Conference Series, 2012, 400, 022042.	0.4	4
28	Phonon thermal conductivity of the inorganic quasi-one-dimensional conductors. Physica B: Condensed Matter, 1996, 219-220, 77-79.	2.7	3
29	Transport properties of fullerite samples. Synthetic Metals, 2001, 121, 1121-1122.	3.9	3
30	Unusual Magnetic-Field-Induced Phase Transition in the Mixed State of Superconducting NbSe2. Physical Review Letters, 2003, 91, 197005.	7.8	3
31	Temperature dependencies of the upper critical field and the Ginzburgâ€¢Landau parameter for single-crystalline NbSe2. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E1095-E1096.	2.3	3
32	Role of the Nb impurities on the thermal conductivity of (Ta1â€˜xNb _x Se4)2I alloys in the vicinity of the Peierls transition. Physica B: Condensed Matter, 1999, 263-264, 779-783.	2.7	2
33	Effects of doping on the transport properties of the quasi-one-dimensional system (TaSe4)2I. Synthetic Metals, 1999, 103, 2663-2666.	3.9	2
34	Thermal and acoustic transport properties of hard carbon formed from C60 fullerene. Physica B: Condensed Matter, 2002, 316-317, 250-253.	2.7	2
35	THERMAL CONDUCTIVITY OF COMPLEX METALLIC ALLOYS. Book Series on Complex Metallic Alloys, 2009, , 113-147.	0.1	2
36	Anomalous thermal conductivity of single crystal Cu2Te2O5Cl2. Applied Magnetic Resonance, 2005, 29, 261-266.	1.2	1

#	ARTICLE		IF	CITATIONS
37	Prototyping of a High Frequency Phased Array Ultrasound Transducer on a Piezoelectric Thick Film. Informacije MIDEM, 0, , 3-10.		0.2	1
38	Thermal conductivity minimum of Nb ₄ Te ₁₇ I ₄ . Physica B: Condensed Matter, 1999, 263-264, 752-755.		2.7	0
39	Transport properties of the quasi-one-dimensional crystal nb ₄ te ₁₇ i ₄ . Synthetic Metals, 1999, 103, 2646-2647.		3.9	0
40	Anisotropy of the transport properties of (TaSe ₄) ₂ I. Synthetic Metals, 2001, 120, 883-884.		3.9	0
41	Searching for magnetic frustration-like properties in tetrahedral spin systems Cu ₂ Te ₂ O ₅ (Br _{1-x} Cl _x) ₂ . Physica B: Condensed Matter, 2006, 382, 209-212.		2.7	0
42	Thermal conductivity of Taylor phase T-Al ₇₃ Mn ₂₇ complex metallic alloy. Journal of Physics: Conference Series, 2010, 226, 012034.		0.4	0
43	Thermal transport properties of decagonal quasicrystals and their approximants. Materials Research Society Symposia Proceedings, 2013, 1517, 1.		0.1	0