

# Ante Bilusic

## List of Publications by Year in descending order

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43  
papers

696  
citations

567281

15  
h-index

552781

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43  
all docs

43  
docs citations

43  
times ranked

645  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reciprocal skin effect and its realization in a topoelectrical circuit. Physical Review Research, 2020, 2, .	3.6	230
2	Dual threshold diode based on the superconductor-to-insulator transition in ultrathin TiN films. Applied Physics Letters, 2013, 102, .	3.3	7
3	Thermal transport properties of decagonal quasicrystals and their approximants. Materials Research Society Symposia Proceedings, 2013, 1517, 1.	0.1	0
4	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
5	High-pressure study of transport properties in Co <sub>0.33</sub> NbS <sub>2</sub> . Physical Review B, 2011, 84, .	3.2	17
6	Heat Transport in Aluminum-Based Quasicrystals $\alpha$ -AlPdMn, $\alpha$ -AlCuFe, and $\alpha$ -AlCoNi. Israel Journal of Chemistry, 2011, 51, 1340-1348.	2.3	9
7	Thermal conductivity of Taylor phase T-Al <sub>73</sub> Mn <sub>27</sub> complex metallic alloy. Journal of Physics: Conference Series, 2010, 226, 012034.	0.4	0
8	Nonlocal versus local vortex dynamics in the transversal flux transformer effect. Physical Review B, 2010, 81, .	3.2	5
9	Reversal of Nonlocal Vortex Motion in the Regime of Strong Nonequilibrium. Physical Review Letters, 2010, 104, 027005.	7.8	7
10	THERMAL CONDUCTIVITY OF COMPLEX METALLIC ALLOYS. Book Series on Complex Metallic Alloys, 2009, , 113-147.	0.1	2
11	Quantum-critical region of the disorder-driven superconductor-insulator transition. Physica C: Superconductivity and Its Applications, 2008, 468, 316-321.	1.2	27
12	Complex $\xi$ -phases in the Al-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
13	Thermal and electrical conductivities in Al-based complex metallic alloys. Philosophical Magazine, 2008, 88, 2155-2162.	1.6	4
14	Electrical, magnetic, thermal and thermoelectric properties of the $\alpha$ -Bergman phase $\text{Mg}_{32}(\text{Al},\text{Zn})_{49}$ complex metallic alloy. Journal of Alloys and Compounds, 2007, 430, 29-38.	5.5	21
15	Phonon scattering in quasicrystalline $i\text{-Al}_{72}\text{Pd}_{19.5}\text{Mn}_{8.5}$ : A study of the low-temperature thermal conductivity. Journal of Alloys and Compounds, 2007, 432, 1-6.	5.5	38
16	Magnetic and transport properties of the giant-unit-cell $\text{Al}_{3.26}\text{Mg}_2$ complex metallic alloy. Intermetallics, 2007, 15, 1367-1376.	3.9	28
17	Origin of anisotropic nonmetallic transport in the $\text{Al}_{80}\text{Cr}_{15}$ intermetallic. Intrinsic electrical, magnetic and thermal properties of single-crystalline decagonal $\text{Al}_{64}\text{Cr}_{13}$ icosahedral quasicrystal: Experiment and modeling. Physical Review B, 2007, 76, .	3.2	28
18	Intrinsic electrical, magnetic and thermal properties of single-crystalline $\text{Al}_{23}\text{Cu}_{13}\text{Fe}$ icosahedral quasicrystal: Experiment and modeling. Physical Review B, 2007, 76, .	3.2	40

#	ARTICLE	IF	CITATIONS
19	Magnetic, electrical and thermal transport properties of Al-Cr-Fe approximant phases. Journal of Alloys and Compounds, 2006, 407, 65-73.	5.5	19
20	Searching for magnetic frustration-like properties in tetrahedral spin systems Cu <sub>2</sub> Te <sub>2</sub> O <sub>5</sub> (Br <sup>1-x</sup> Cl <sub>x</sub> ) <sub>2</sub> . Physica B: Condensed Matter, 2006, 382, 209-212.	2.7	0
21	Magnetic ordering and ergodicity of the spin system in the Cu <sub>2</sub> Te <sub>2</sub> O <sub>5</sub> X <sub>2</sub> family of quantum magnets. Physical Review B, 2006, 73, .	3.2	7
22	Anomalous thermal conductivity of single crystal Cu <sub>2</sub> Te <sub>2</sub> O <sub>5</sub> Cl <sub>2</sub> . Applied Magnetic Resonance, 2005, 29, 261-266.	1.2	1
23	Magnetic, electrical, thermal transport, and thermoelectric properties of the $\sqrt{3}/4$ and $\sqrt{2}$ complex metallic alloy phases in the Al-Pd-Mn system. Physical Review B, 2005, 72, .	3.2	23
24	Ground-state order and spin-lattice coupling in tetrahedral spin systems Cu <sub>2</sub> Te <sub>2</sub> O <sub>5</sub> X <sub>2</sub> (X=Br or Cl). Physical Review B, 2004, 69, .	3.2	24
25	Temperature dependencies of the upper critical field and the Ginzburg-Landau parameter for single-crystalline NbSe <sub>2</sub> . Journal of Magnetism and Magnetic Materials, 2004, 272-276, E1095-E1096.	2.3	3
26	Unusual Magnetic-Field-Induced Phase Transition in the Mixed State of Superconducting NbSe <sub>2</sub> . Physical Review Letters, 2003, 91, 197005.	7.8	3
27	Origin of the maximum in the temperature-dependent electrical resistivity of quasicrystals. Journal of Physics Condensed Matter, 2002, 14, 6975-6988.	1.8	14
28	Acoustic and thermal transport properties of hard carbon formed from C <sub>60</sub> fullerene. Physical Review B, 2002, 66, .	3.2	15
29	Transport properties of icosahedral quasicrystal Al <sub>72</sub> Pd <sub>19.5</sub> Mn <sub>8.5</sub> . Journal of Alloys and Compounds, 2002, 342, 413-415.	5.5	15
30	Thermal and acoustic transport properties of hard carbon formed from C <sub>60</sub> fullerene. Physica B: Condensed Matter, 2002, 316-317, 250-253.	2.7	2
31	Anisotropy of the thermal conductivity in (TaSe <sub>4</sub> ) <sub>2</sub> I. Physica B: Condensed Matter, 2002, 316-317, 279-282.	2.7	7
32	Structural (XRD and HRTEM) investigations of fullerite C <sub>60</sub> and C <sub>70</sub> samples. Materials Science and Engineering C, 2002, 19, 21-25.	7.3	9
33	Anisotropy of the transport properties of (TaSe <sub>4</sub> ) <sub>2</sub> I. Synthetic Metals, 2001, 120, 883-884.	3.9	0
34	Transport properties of fullerite samples. Synthetic Metals, 2001, 121, 1121-1122.	3.9	3
35	Figure of merit of quasicrystals: the case of Al-Cu-Fe. Vacuum, 2001, 61, 345-348.	3.5	31
36	Low-temperature thermal conductivity of icosahedral Al <sub>63</sub> Cu <sub>25</sub> Fe <sub>12</sub> and Al <sub>62</sub> Cu <sub>25.5</sub> Fe <sub>12.5</sub> quasicrystals. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2000, 294-296, 706-710.	5.6	6

#	ARTICLE	IF	CITATIONS
37	Thermal and thermoelectric properties of icosahedral Al <sub>62</sub> Cu <sub>25.5</sub> Fe <sub>12.5</sub> quasicrystal. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2000, 294-296, 711-714.	5.6	28
38	Thermal conductivity minimum of Nb <sub>4</sub> Te <sub>17</sub> I <sub>4</sub> . Physica B: Condensed Matter, 1999, 263-264, 752-755.	2.7	0
39	Role of the Nb impurities on the thermal conductivity of (Ta <sub>1-x</sub> Nb <sub>x</sub> Se <sub>4</sub> ) <sub>2</sub> I alloys in the vicinity of the Peierls transition. Physica B: Condensed Matter, 1999, 263-264, 779-783.	2.7	2
40	Effects of doping on the transport properties of the quasi-one-dimensional system (TaSe <sub>4</sub> ) <sub>2</sub> I. Synthetic Metals, 1999, 103, 2663-2666.	3.9	2
41	Transport properties of the quasi-one-dimensional crystal nb <sub>4</sub> te <sub>17</sub> i <sub>4</sub> . Synthetic Metals, 1999, 103, 2646-2647.	3.9	0
42	Phonon thermal conductivity of the inorganic quasi-one-dimensional conductors. Physica B: Condensed Matter, 1996, 219-220, 77-79.	2.7	3
43	Prototyping of a High Frequency Phased Array Ultrasound Transducer on a Piezoelectric Thick Film. Informacije MIDEM, 0, , 3-10.	0.2	1