

# Adrian Popescu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/130358/publications.pdf>

Version: 2024-02-01

23  
papers

467  
citations

933447

10  
h-index

677142

22  
g-index

23  
all docs

23  
docs citations

23  
times ranked

831  
citing authors

#	ARTICLE	IF	CITATIONS
1	Model of transport properties of thermoelectric nanocomposite materials. Physical Review B, 2009, 79, .	3.2	168
2	Enhanced thermoelectricity in composites by electronic structure modifications and nanostructuring. Applied Physics Letters, 2010, 97, .	3.3	37
3	Simple model of van der Waals interactions between two radially deformed single-wall carbon nanotubes. Physical Review B, 2008, 77, .	3.2	33
4	Thermoelectric properties of Bi-doped PbTe composites. Journal of Applied Physics, 2011, 109, .	2.5	29
5	Giant spin Seebeck effect through an interface organic semiconductor. Materials Horizons, 2020, 7, 1413-1420.	12.2	29
6	A carbon nanotube oscillator as a surface profiling device. Nanotechnology, 2008, 19, 435702.	2.6	26
7	Signatures of complex optical response in Casimir interactions of type I and II Weyl semimetals. Communications Materials, 2020, 1, .	6.9	19
8	Chirality dependent carbon nanotube interactions. Physical Review B, 2011, 83, .	3.2	17
9	Lowest energy Frenkel and charge transfer exciton intermixing in one-dimensional copper phthalocyanine molecular lattice. Applied Physics Letters, 2016, 109, 213302.	3.3	16
10	Valleytronics, Carrier Filtering and Thermoelectricity in Bismuth: Magnetic Field Polarization Effects. Advanced Functional Materials, 2012, 22, 3945-3949.	14.9	15
11	Telescopic hot double wall carbon nanotube for nanolithography. Applied Physics Letters, 2009, 95, 203507.	3.3	10
12	Current-induced torques between ferromagnets and compensated antiferromagnets: Symmetry and phase coherence effects. Physical Review B, 2014, 89, .	3.2	9
13	Thermally driven anomalous Hall effect transitions in FeRh. Physical Review B, 2018, 97, .	3.2	9
14	Interface scattering in polycrystalline thermoelectrics. Journal of Applied Physics, 2014, 115, .	2.5	8
15	Composition and stacking dependent topology in bilayers from the graphene family. Physical Review Materials, 2019, 3, .	2.4	8
16	Effects of phase-breaking scattering on the thermopower of molecular systems. Physical Review B, 2012, 86, .	3.2	7
17	Optical Response of MoTe <sub>2</sub> and WTe <sub>2</sub> Weyl Semimetals: Distinguishing between Bulk and Surface Contributions. Advanced Theory and Simulations, 2020, 3, 1900247.	2.8	7
18	Magnetic field and nanostructuring effects on the thermoelectric performance of bismuth. Physical Review B, 2012, 85, .	3.2	5

#	ARTICLE	IF	CITATIONS
19	Monitoring Charge Separation Processes in Quasi-One-Dimensional Organic Crystalline Structures. Nano Letters, 2017, 17, 6056-6061.	9.1	5
20	Dispersive interactions in graphitic nanostructures. Chemical Physics, 2013, 413, 116-122.	1.9	4
21	Exciton Bose-Einstein Condensation in Double Walled Carbon Nanotubes. MRS Advances, 2017, 2, 2401-2406.	0.9	3
22	On the role of interband surface plasmons in carbon nanotubes. Optics and Spectroscopy (English) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.6	2
23	Transport Properties of Thermoelectric Nanocomposites. Materials Research Society Symposia Proceedings, 2009, 1166, 8.	0.1	1