BegoÃ±a Abad

List of Publications by Year
in descending order

25 papers	722 citations	567281 15 h-index	752698 20 g-index
25 all docs	25 docs citations	25 times ranked	1169 citing authors

#	ARTICLE	IF	CITATIONS
1	Improved power factor of polyaniline nanocomposites with exfoliated graphene nanoplatelets (GNPs). Journal of Materials Chemistry A, 2013, 1, 10450.	10.3	96
2	Anisotropic Effects on the Thermoelectric Properties of Highly Oriented Electrodeposited Bi2Te3 Films. Scientific Reports, 2016, 6, 19129.	3.3	76
3	Non-contact methods for thermal properties measurement. Renewable and Sustainable Energy Reviews, 2017, 76, 1348-1370.	16.4	66
4	Thermoelectric properties of electrodeposited tellurium films and the sodium lignosulfonate effect. Electrochimica Acta, 2015, 169, 37-45.	5.2	51
5	Thermal conductivity measurements of high and low thermal conductivity films using a scanning hot probe method in the 3Ï‰ mode and novel calibration strategies. Nanoscale, 2015, 7, 15404-15412.	5.6	50
6	Improvement of Bismuth Telluride electrodeposited films by the addition of Sodium Lignosulfonate. Electrochimica Acta, 2014, 123, 117-126.	5.2	47
7	Rules to Determine Thermal Conductivity and Density of Anodic Aluminum Oxide (AAO) Membranes. Journal of Physical Chemistry C, 2016, 120, 5361-5370.	3.1	47
8	Thermoelectric properties of Bi2Te3 films by constant and pulsed electrodeposition. Journal of Solid State Electrochemistry, 2013, 17, 2071-2078.	2.5	45
9	Thermal conductivity of Bi₂Te₃ nanowires: how size affects phonon scattering. Nanoscale, 2017, 9, 6741-6747.	5.6	41
10	Thermoelectric Skutterudite/oxide nanocomposites: Effective decoupling of electrical and thermal conductivity by functional interfaces. Nano Energy, 2017, 31, 393-402.	16.0	34
11	Low thermal conductivity and improved thermoelectric performance of nanocrystalline silicon germanium films by sputtering. Nanotechnology, 2016, 27, 175401.	2.6	30
12	Enhancement of thermoelectric efficiency of doped PCDTBT polymer films. RSC Advances, 2015, 5, 66687-66694.	3.6	27
13	Tailoring thermal conductivity via three-dimensional porous alumina. Scientific Reports, 2016, 6, 38595.	3.3	24
14	Full-field imaging of thermal and acoustic dynamics in an individual nanostructure using tabletop high harmonic beams. Science Advances, 2018, 4, eaau4295.	10.3	24
15	A General and Predictive Understanding of Thermal Transport from 1D- and 2D-Confined Nanostructures: Theory and Experiment. ACS Nano, 2021, 15, 13019-13030.	14.6	20
16	Full characterization of ultrathin 5-nm low- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>k</mml:mi></mml:math> dielectric bilayers: Influence of dopants and surfaces on the mechanical properties. Physical Review Materials, 2020, 4, .	2.4	12
17	Nondestructive Measurements of the Mechanical and Structural Properties of Nanostructured Metalattices. Nano Letters, 2020, 20, 3306-3312.	9.1	10
18	Enhanced thermoelectric properties of lightly Nb doped SrTiO₃ thin films. Nanoscale Advances, 2019, 1, 3647-3653.	4.6	9

#	Article	IF	Citations
19	The Effect of Electrolyte Impurities on the Thermoelectric Properties of Electrodeposited Bi₂Te₃Films. Journal of the Electrochemical Society, 2018, 165, D768-D773.	2.9	8
20	Improvements on Electrodeposited Bi2Te3-ySey Films by Different Additives. Materials Today: Proceedings, 2015, 2, 620-628.	1.8	4
21	Full-Field Functional Imaging of Nanoscale Dynamics Using Tabletop High Harmonics. , 2017, , .		1
22	Thermal diffusivity measurement system applied to polymers. , 2012, , .		0
23	SrTiO<inf>3</inf> thin films as high efficient thermoelectric materials. , 2013, , .		0
24	Characterization and imaging of nanostructured materials using tabletop extreme ultraviolet light sources. , 2018, , .		0
25	Nanoscale surface phononic crystals for characterization of complex and periodic materials using extreme ultraviolet light. , 2018, , .		0