

Begoña Abad

List of Publications by Year in descending order

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Version: 2024-02-01

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	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
2	Nondestructive Measurements of the Mechanical and Structural Properties of Nanostructured Metalattices. Nano Letters, 2020, 20, 3306-3312.	9.1	10
3	Full characterization of ultrathin 5-nm low- κ dielectric bilayers: Influence of dopants and surfaces on the mechanical properties. Physical Review Materials, 2020, 4, .	2.4	12
4	Enhanced thermoelectric properties of lightly Nb doped SrTiO ₃ thin films. Nanoscale Advances, 2019, 1, 3647-3653.	4.6	9
5	The Effect of Electrolyte Impurities on the Thermoelectric Properties of Electrodeposited Bi ₂ Te ₃ Films. Journal of the Electrochemical Society, 2018, 165, D768-D773.	2.9	8
6	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
7	Characterization and imaging of nanostructured materials using tabletop extreme ultraviolet light sources. , 2018, , .		0
8	Nanoscale surface phononic crystals for characterization of complex and periodic materials using extreme ultraviolet light. , 2018, , .		0
9	Thermal conductivity of Bi ₂ Te ₃ 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	Non-contact methods for thermal properties measurement. Renewable and Sustainable Energy Reviews, 2017, 76, 1348-1370.	16.4	66
12	Full-Field Functional Imaging of Nanoscale Dynamics Using Tabletop High Harmonics. , 2017, , .		1
13	Tailoring thermal conductivity via three-dimensional porous alumina. Scientific Reports, 2016, 6, 38595.	3.3	24
14	Low thermal conductivity and improved thermoelectric performance of nanocrystalline silicon germanium films by sputtering. Nanotechnology, 2016, 27, 175401.	2.6	30
15	Anisotropic Effects on the Thermoelectric Properties of Highly Oriented Electrodeposited Bi ₂ Te ₃ Films. Scientific Reports, 2016, 6, 19129.	3.3	76
16	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
17	Improvements on Electrodeposited Bi ₂ Te ₃ -ySe _y Films by Different Additives. Materials Today: Proceedings, 2015, 2, 620-628.	1.8	4
18	Thermal conductivity measurements of high and low thermal conductivity films using a scanning hot probe method in the 3D mode and novel calibration strategies. Nanoscale, 2015, 7, 15404-15412.	5.6	50

#	ARTICLE	IF	CITATIONS
19	Thermoelectric properties of electrodeposited tellurium films and the sodium lignosulfonate effect. <i>Electrochimica Acta</i> , 2015, 169, 37-45.	5.2	51
20	Enhancement of thermoelectric efficiency of doped PCDTBT polymer films. <i>RSC Advances</i> , 2015, 5, 66687-66694.	3.6	27
21	Improvement of Bismuth Telluride electrodeposited films by the addition of Sodium Lignosulfonate. <i>Electrochimica Acta</i> , 2014, 123, 117-126.	5.2	47
22	Thermoelectric properties of Bi ₂ Te ₃ films by constant and pulsed electrodeposition. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 2071-2078.	2.5	45
23	Improved power factor of polyaniline nanocomposites with exfoliated graphene nanoplatelets (GNPs). <i>Journal of Materials Chemistry A</i> , 2013, 1, 10450.	10.3	96
24	SrTiO ₃ thin films as high efficient thermoelectric materials. , 2013, , .		0
25	Thermal diffusivity measurement system applied to polymers. , 2012, , .		0