O J Dura

List of Publications by Year
in descending order

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59	854	471477	526264
papers	citations	17 h-index	27 g-index

60	60	60	1289
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ionic conductivity of nanocrystalline yttria-stabilized zirconia: Grain boundary and size effects. Physical Review B, 2010, 81, .	3.2	82
2	Organic ligand displacement by metal salts to enhance nanoparticle functionality: thermoelectric properties of Ag2Te. Journal of Materials Chemistry A, 2013, 1, 4864.	10.3	54
3	Smart Hybrid Graphene Hydrogels: A Study of the Different Responses to Mechanical Stretching Stimulus. ACS Applied Materials & Interfaces, 2018, 10, 1987-1995.	8.0	53
4	Transport, electronic, and structural properties of nanocrystalline CuAlO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>delafossites. Physical Review B, 2011, 83, .	3.2	37
5	Tailoring Interface Structure in Highly Strained YSZ/STO Heterostructures. Advanced Materials, 2011, 23, 5268-5274.	21.0	36
6	Electrical and thermophysical properties of mechanochemically obtained lanthanide hafnates. Journal of the American Ceramic Society, 2017, 100, 1994-2004.	3.8	36
7	Paving the way to nanoionics: atomic origin of barriers for ionic transport through interfaces. Scientific Reports, 2015, 5, 17229.	3.3	35
8	XANES and EXAFS study of the local order in nanocrystalline yttria-stabilized zirconia. Physical Review B, 2013, 87, .	3.2	32
9	Unveiling the Correlation between the Crystalline Structure of Mâ€Filled CoSb₃ (M = Y, K,) Tj ETQq1 1 0.784314 rgBT /Ove 2020, 30, 2001651.	14.9	31
10	Low thermal conductivity in La-filled cobalt antimonide skutterudites with an inhomogeneous filling factor prepared under high-pressure conditions. Journal of Materials Chemistry A, 2018, 6, 118-126.	10.3	30
11	Evidence of nanostructuring and reduced thermal conductivity in n-type Sb-alloyed SnSe thermoelectric polycrystals. Journal of Applied Physics, 2019, 126, .	2.5	28
12	Structural phase transition in polycrystalline SnSe: a neutron diffraction study in correlation with thermoelectric properties. Journal of Applied Crystallography, 2016, 49, 2138-2144.	4.5	24
13	High-Performance n-type SnSe Thermoelectric Polycrystal Prepared by Arc-Melting. Cell Reports Physical Science, 2020, 1, 100263.	5.6	23
14	Extra-low thermal conductivity in unfilled CoSb3-Î´ skutterudite synthesized under high-pressure conditions. Applied Physics Letters, 2017, 111, .	3.3	22
15	Substantial thermal conductivity reduction in mischmetal skutterudites Mm_xCo₄Sb₁₂ prepared under high-pressure conditions, due to uneven distribution of the rare-earth elements. Journal of Materials Chemistry C, 2019, 7, 4124-4131.	5.5	21
16	Thermopower and electrical resistivity of La1â^'xSrxMnO3 (x=0.2, 0.3): Effect of nanostructure on small polaron transport. Journal of Alloys and Compounds, 2014, 583, 141-144.	5.5	18
17	Spark plasma sintered BaTiO 3 /graphene composites for thermoelectric applications. Journal of the European Ceramic Society, 2017, 37, 3741-3746.	5.7	18
18	Thermophysical properties of Gd2Zr2O7 powders prepared by mechanical milling: Effect of homovalent Gd3+ substitution. Journal of Alloys and Compounds, 2015, 649, 1145-1150.	5.5	17

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19	Oxygen ion dynamics in pyrochlore-type ionic conductors: Effects of structure and ionâ€“ion cooperativity. Journal of Non-Crystalline Solids, 2015, 407, 349-354.	3.1	17
20	Mechanical, Electrical, and Thermal Characterization of Pure Copper Parts Manufactured via Material Extrusion Additive Manufacturing. Materials, 2022, 15, 4644.	2.9	17
21	Thermoelectric and magnetic properties of nanocrystalline La0.7Sr0.3CoO3. Journal of Applied Physics, 2012, 111, .	2.5	16
22	Thermal Conductivity Reduction by Fluctuation of the Filling Fraction in Filled Cobalt Antimonide Skutterudite Thermoelectrics. ACS Applied Energy Materials, 2018, 1, 6181-6189.	5.1	15
23	Low lattice thermal conductivity in arc-melted GeTe with Ge-deficient crystal structure. Applied Physics Letters, 2018, 113, .	3.3	14
24	Structural Features, Anisotropic Thermal Expansion, and Thermoelectric Performance in Bulk Black Phosphorus Synthesized under High Pressure. Inorganic Chemistry, 2020, 59, 14932-14943.	4.0	12
25	Influence of the Ligand Stripping on the Transport Properties of Nanoparticle-Based PbSe Nanomaterials. ACS Applied Energy Materials, 2020, 3, 2120-2129.	5.1	11
26	The effect of nanostructure on the thermoelectric figure-of-merit of La 0.875 Sr 0.125 CoO 3. Journal of Alloys and Compounds, 2017, 711, 381-386.	5.5	10
27	X-ray diffraction line profile analysis of mechanically alloyed nanocrystalline YSZ. Journal Physics D: Applied Physics, 2008, 41, 045408.	2.8	9
28	Drastic enhancement of mechanical properties of Ca3Co4O9 by B4C addition. Journal of the European Ceramic Society, 2021, 41, 402-408.	5.7	9
29	Structural evolution, optical gap and thermoelectric properties of CH₃NH₃SnBr₃ hybrid perovskite, prepared by mechanochemistry. Materials Advances, 2021, 2, 3620-3628.	5.4	9
30	Depressed thermal conductivity of mechanically alloyed nanocrystalline 10â€‰mol% yttria-stabilized zirconia. Journal Physics D: Applied Physics, 2010, 43, 105407.	2.8	8
31	Structural evolution of a Ge-substituted SnSe thermoelectric material with low thermal conductivity. Journal of Applied Crystallography, 2018, 51, 337-343.	4.5	8
32	High thermoelectric performance of rapidly microwave-synthesized Sn_{1â^'Î´}S. Materials Advances, 2020, 1, 845-853.	5.4	8
33	Correlation between Crystal Structure and Thermoelectric Properties of Sr1â^'xTi0.9Nb0.1O3â^'Î´ Ceramics. Crystals, 2020, 10, 100.	2.2	8
34	Thermoelectric properties of bottom-up assembled Bi<SUB align="right">2S<SUB align="right">3xTe<SUB align="right">x nanocomposites. International Journal of Nanotechnology, 2014, 11, 773.	0.2	7
35	Detailed Structural Features of the Perovskite-Related Halide RbPbI₃ for Solar Cell Applications. Inorganic Chemistry, 2022, 61, 5502-5511.	4.0	7
36	Experimental corroboration of the thermoelectric performance of Bi₂PdO₄ oxide and Pb-doped derivatives. Journal of Materials Chemistry C, 2020, 8, 5509-5516.	5.5	6

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37	SnSe:Kx intermetallic thermoelectric polycrystals prepared by arc-melting. Journal of Materials Science, 2022, 57, 8489-8503.	3.7	6
38	Influence of the orthorhombic phase content on the dielectric and magnetic properties of YMnO3. Journal of Applied Physics, 2019, 126, .	2.5	5
39	Lower temperature of the structural transition, and thermoelectric properties in Sn-substituted GeTe. Materials Today: Proceedings, 2021, 44, 3450-3457.	1.8	5
40	Strongly reduced lattice thermal conductivity in Sn-doped rare-earth (M) filled skutterudites M_xCo₄Sb_{12â”'y}Sn_y, promoted by Sbâ€“Sn disordering and phase segregation. RSC Advances, 2021, 11, 26421-26431.	3.6	5
41	Fabrication and characterization of Cu reinforced with Y-enriched particles following a novel powder metallurgy route. Nuclear Materials and Energy, 2021, 29, 101075.	1.3	5
42	Tuning thermoelectric properties of Ca0.9Gd0.1MnO3 by laser processing. Journal of Materials Science: Materials in Electronics, 2020, 31, 18913-18922.	2.2	4
43	Substrate-Induced Strain Effect on Structural and Magnetic Properties of La0.5Sr0.5CoO3 Films. Nanomaterials, 2021, 11, 781.	4.1	4
44	The structural evolution, optical gap, and thermoelectric properties of the RbPb₂Br₅ layered halide, prepared by mechanochemistry. Journal of Materials Chemistry C, 2022, 10, 6857-6865.	5.5	4
45	Nanostructured Thermoelectric Chalcogenides. , 2018, , .		3
46	Mechanosynthesis and Thermoelectric Properties of Fe, Zn, and Cd-Doped P-Type Tetrahedrite: Cu12-xMxSb4S13. Materials, 2021, 14, 3448.	2.9	3
47	Evaluation of pressure and temperature effect on the structure and properties of Ca2.93Sr0.07Co4O9 ceramic materials. Ceramics International, 2021, 48, 7730-7730.	4.8	3
48	Microwave-assisted synthesis of thermoelectric oxides and chalcogenides. Ceramics International, 2022, , .	4.8	3
49	High-field magnetization of Y0.8U0.2Pd3 and UCu4Ni. Journal of Magnetism and Magnetic Materials, 2008, 320, e443-e445.	2.3	2
50	X-ray absorption spectroscopy study of the chemical ordering in UCu_{5â”'x}M_x(M = Ni, Ag) compounds. Journal of Physics Condensed Matter, 2008, 20, 395207.	1.8	2
51	Nanostructured State-of-the-Art Thermoelectric Materials Prepared by Straight-Forward Arc-Melting Method. , 0, , .		2
52	Microstructure and mechanical properties of hot rolled ODS copper. Nuclear Materials and Energy, 2020, 24, 100754.	1.3	2
53	Tuning Ca3Co4O9 thermal and transport properties by TiC nanoparticles addition. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2021, 60, 138-146.	1.9	2
54	Influence of ceramic particles additions on the properties of Ca3Co4O9. SN Applied Sciences, 2022, 4, 1.	2.9	2

#	Article	IF	Citations
55	Comparative assessment of PVDF and PVDF-TrFE piezoelectric polymers for flexible actuators applications. , 2017, , .		1
56	Enhanced figure of merit in La0.95Sr0.05CoO3/Ag nanocomposites. Journal of Materials Science: Materials in Electronics, 2020, 31, 2976-2985.	2.2	1
57	CaracterizaciÃ³n elÃ©ctrica de fronteras de grano en conductores iÃ³nicos mediante medidas de espectroscopia de impedancias en un bicristal. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2012, 51, 13-18.	1.9	1
58	Assessment of the laser floating zone processing of thermoelectric CuFe1â€“xNixO2 delafossites and their magnetic characterisation. Journal of Alloys and Compounds, 2022, , 165678.	5.5	1
59	Microstructure of a new ODS Cuâ€“0.7wt-%Crâ€“0.11wt-%Zr material produced by a novel powder metallurgical method. Powder Metallurgy, 2022, 65, 235-241.	1.7	0