S Aminorroaya Yamini

List of Publications by Citations

51 papers	1,559 citations	19 h-index	39 g-index
51 ext. papers	1,749 ext. citations	6.8 avg, IF	4.62 L-index

#	Paper	IF	Citations
51	Scalable One-Step Wet-Spinning of Graphene Fibers and Yarns from Liquid Crystalline Dispersions of Graphene Oxide: Towards Multifunctional Textiles. *Advanced Functional Materials*, **2013**, 23, 5345-5354	15.6	303
50	High-performance multifunctional graphene yarns: toward wearable all-carbon energy storage textiles. *ACS Nano*, **2014**, 8, 2456-66	16.7	290
49	Enhanced Hydrogen Storage in Graphene Oxide-MWCNTs Composite at Room Temperature. *Advanced Energy Materials*, **2012**, 2, 1439-1446	21.8	81
48	Magnetism-mediated thermoelectric performance of the Cr-doped bismuth telluride tetradymite. *Materials Today Physics*, **2019**, 9, 100090	8	80
47	Globular reduced graphene oxide-metal oxide structures for energy storage applications. *Energy and Environmental Science*, **2012**, 5, 5236-5240	35.4	64
46	Thermoelectric performance of n-type (PbTe)0.75(PbS)0.15(PbSe)0.1 composites. *ACS Applied Materials & Interfaces*, **2014**, 6, 11476-83	9.5	58
45	Heterogeneous Distribution of Sodium for High Thermoelectric Performance of p-type Multiphase Lead-Chalcogenides. *Advanced Energy Materials*, **2015**, 5, 1501047	21.8	56
44	Rational design of p-type thermoelectric PbTe: temperature dependent sodium solubility. *Journal of Materials Chemistry A*, **2013**, 1, 8725	13	54
43	Hydrogen storage properties of Mg-10 wt% Ni alloy co-catalysed with niobium and multi-walled carbon nanotubes. *International Journal of Hydrogen Energy*, **2011**, 36, 571-579	6.7	54
42	The effect of transition metals on hydrogen migration and catalysis in cast Mg□Ni alloys. *International Journal of Hydrogen Energy*, **2011**, 36, 4984-4992	6.7	54
41	Recent progress in magnesium-based thermoelectric materials. *Journal of Materials Chemistry A*, **2018**, 6, 3328-3341	13	48
40	Chemical composition tuning in quaternary p-type Pb-chalcogenides--a promising strategy for enhanced thermoelectric performance. *Physical Chemistry Chemical Physics*, **2014**, 16, 1835-40	3.6	46
39	Microstructure and activation characteristics of Mg□Ni alloy modified by multi-walled carbon nanotubes. *International Journal of Hydrogen Energy*, **2010**, 35, 4144-4153	6.7	35
38	Processable 2D materials beyond graphene: MoS liquid crystals and fibres. *Nanoscale*, **2016**, 8, 16862-16867	7.7	32
37	Thermoelectric performance of tellurium-reduced quaternary p-type lead□chalcogenide composites. *Acta Materialia*, **2014**, 80, 365-372	8.4	26
36	One-step bonding of Ni electrode to n-type PbTe □A step towards fabrication of thermoelectric generators. *Materials and Design*, **2016**, 107, 90-97	8.1	26
35	Thermoelectric Performance of Na-Doped GeSe. *ACS Omega*, **2017**, 2, 9192-9198	3.9	23

34	Band-Gap Nonlinearity in Lead Chalcogenide (PbQ, Q = Te, Se, S) Alloys. *ACS Omega*, **2017**, 2, 3417-3423	3.9	22
33	Fabrication and characterization of textured Bi2Te3 thermoelectric thin films prepared on glass substrates at room temperature using pulsed laser deposition. *Journal of Crystal Growth*, **2013**, 362, 247-251	1.6	21
32	Alendronate improves fasting plasma glucose and insulin sensitivity, and decreases insulin resistance in prediabetic osteopenic postmenopausal women: A randomized triple-blind clinical trial. *Journal of Diabetes Investigation*, **2019**, 10, 731-737	3.9	19
31	Thermoelectric performance of n-type MgGe. *Scientific Reports*, **2017**, 7, 3988	4.9	16
30	Fabrication of thermoelectric materials□thermal stability and repeatability of achieved efficiencies. *Journal of Materials Chemistry C*, **2015**, 3, 10610-10615	7.1	15
29	Elemental distributions within multiphase quaternary Pb chalcogenide thermoelectric materials determined through three-dimensional atom probe tomography. *Nano Energy*, **2016**, 26, 157-163	17.1	14
28	Diabetes and all-cause mortality, a 18-year follow-up study. *Scientific Reports*, **2020**, 10, 3183	4.9	12
27	Comparison of hydrogen storage properties of Mg□Ni from different preparation methods. *Materials Chemistry and Physics*, **2011**, 127, 405-408	4.4	10
26	Rapid fabrication of diffusion barrier between metal electrode and thermoelectric materials using current-controlled spark plasma sintering technique. *Journal of Materials Research and Technology*, **2019**, 8, 8-13	5.5	9
25	Thermoelectric performance of thermally aged nanostructured bulk materials□ case study of lead chalcogenides. *Materials Today Physics*, **2020**, 13, 100190	8	8
24	Solid-State Bonding of Bulk PbTe to Nickel Electrode for Thermoelectric Modules. *ACS Applied Energy Materials*, **2018**, 1, 348-354	6.1	8
23	Body mass index and the all-cause mortality rate in patients with type 2 diabetes mellitus. *Acta Diabetologica*, **2018**, 55, 569-577	3.9	8
22	Origin of resistivity anomaly in p-type leads chalcogenide multiphase compounds. *AIP Advances*, **2015**, 5, 053601	1.5	8
21	Crystal structure, electronic structure and thermoelectric properties of n-type BiSbSTe2. *Journal Physics D: Applied Physics*, **2012**, 45, 125301	3	8
20	Thermoelectric Performance of Single Phase p-Type Quaternary (PbTe)0.65□(PbSe)0.35(PbS)x Alloys. *ACS Applied Energy Materials*, **2018**, 1, 1898-1903	6.1	5
19	Effect of the Fabrication Technique on the Thermoelectric Performance of Mg-Based Compounds-A Case Study of n-Type MgGe. *ACS Omega*, **2017**, 2, 8069-8074	3.9	5
18	TEM characterization of precipitates in the segregated regions of a low-carbon, low-manganese, titanium-added steel. *Journal of Microscopy*, **2007**, 227, 92-7	1.9	5
17	Reference Intervals for Thyroid Hormones During the First Trimester of Gestation: A Report from an Area with a Sufficient Iodine Level. *Hormone and Metabolic Research*, **2019**, 51, 165-171	3.1	4

16	Thyroid-stimulating hormone (TSH) serum levels and risk of spontaneous abortion: A prospective population-based cohort study. *Clinical Endocrinology*, **2019**, 91, 163-169	3.4	4
15	TEM analysis of centreline sulphide precipitates modified by titanium additions to low carbon steel. *Journal of Microscopy*, **2008**, 232, 123-9	1.9	4
14	A novel approach to simulate segregation at the centreline of continuously cast steel using laser-scanning confocal microscopy. *Journal of Microscopy*, **2007**, 227, 87-91	1.9	4
13	Cross-sectional and longitudinal assessments of risk factors associated with hypertension and moderately increased albuminuria comorbidity in patients with type 2 diabetes: a 9-year open cohort study. *Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy*, **2019**, 12, 1123-1139	3.4	3
12	Simulation of microsegregation and the solid/liquid interface progression in the concentric solidification technique. *Modelling and Simulation in Materials Science and Engineering*, **2011**, 19, 025003	2	3
11	Recent Progress in Multiphase Thermoelectric Materials. *Materials*, **2021**, 14,	3.5	3
10	Multiphase identification in NiPbTe contacts by EBSD and aberration-corrected STEM. *Materials and Design*, **2020**, 185, 108252	8.1	3
9	Thermoelectric Performance of Single-Phase Tellurium-Reduced Quaternary (PbTe)(PbS)(PbSe). *ACS Omega*, **2019**, 4, 9235-9240	3.9	2
8	In situ characterisation of nanostructured multiphase thermoelectric materials at elevated temperatures. *Physical Chemistry Chemical Physics*, **2016**, 18, 32814-32819	3.6	2
7	Thermoelectric Properties and Microstructure Studies of Spinodally Decomposed PbTe0.38S0.62 Alloy. *Science of Advanced Materials*, **2014**, 6, 1453-1459	2.3	2
6	Assessing phase discrimination the segmentation of an elemental energy dispersive X-ray spectroscopy map: a case study of BiTe and BiTeS.. *RSC Advances*, **2018**, 8, 7457-7464	3.7	1
5	Suspension Characteristics and Electrophoretic Deposition ofp-Type Bi2Te3Films for Thermoelectric Applications. *Journal of the Electrochemical Society*, **2018**, 165, D364-D369	3.9	1
4	Mechanically induced combustion synthesis and thermoelectric properties of nanostructured strontium hexaboride (SrB6). *Ceramics International*, **2019**, 45, 14426-14431	5.1	0
3	Thermoelectric Performance of n-Type Magnetic Element Doped BiS.. *ACS Applied Energy Materials*, **2022**, 5, 3845-3853	6.1	0
2	Hydrogen Storage Properties of Mg-Ni Alloy Catalysed by Multi-Walled Carbon Nanotubes. *Materials Science Forum*, **2010**, 654-656, 2843-2846	0.4	
1	Influence of microalloying elements (Ti, Nb) and nitrogen concentrations on precipitation of pipeline steelsÂ thermodynamic approach. *Engineering Reports*, **2021**, 3, e12337	1.2	