

# S Aminorroaya Yamini

## List of Publications by Year in descending order

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51  
papers

1,932  
citations

331259

21  
h-index

253896

43  
g-index

51  
all docs

51  
docs citations

51  
times ranked

3053  
citing authors

#	ARTICLE	IF	CITATIONS
1	Scalable One-Step Wet-Spinning of Graphene Fibers and Yarns from Liquid Crystalline Dispersions of Graphene Oxide: Towards Multifunctional Textiles. <i>Advanced Functional Materials</i> , 2013, 23, 5345-5354.	7.8	354
2	High-Performance Multifunctional Graphene Yarns: Toward Wearable All-Carbon Energy Storage Textiles. <i>ACS Nano</i> , 2014, 8, 2456-2466.	7.3	331
3	Magnetism-mediated thermoelectric performance of the Cr-doped bismuth telluride tetradymite. <i>Materials Today Physics</i> , 2019, 9, 100090.	2.9	112
4	Enhanced Hydrogen Storage in Graphene Oxide-MWCNTs Composite at Room Temperature. <i>Advanced Energy Materials</i> , 2012, 2, 1439-1446.	10.2	97
5	Recent progress in magnesium-based thermoelectric materials. <i>Journal of Materials Chemistry A</i> , 2018, 6, 3328-3341.	5.2	70
6	Globular reduced graphene oxide-metal oxide structures for energy storage applications. <i>Energy and Environmental Science</i> , 2012, 5, 5236-5240.	15.6	69
7	Thermoelectric Performance of $n$ -Type $(\text{PbTe})_{0.75}(\text{PbS})_{0.15}(\text{PbSe})_{0.1}$ Composites. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 11476-11483.	4.0	69
8	Heterogeneous Distribution of Sodium for High Thermoelectric Performance of $p$ -Type Multiphase Lead-Chalcogenides. <i>Advanced Energy Materials</i> , 2015, 5, 1501047.	10.2	63
9	The effect of transition metals on hydrogen migration and catalysis in cast Mg-Ni alloys. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 4984-4992.	3.8	60
10	Hydrogen storage properties of Mg-10 wt% Ni alloy co-catalysed with niobium and multi-walled carbon nanotubes. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 571-579.	3.8	56
11	Rational design of $p$ -type thermoelectric PbTe: temperature dependent sodium solubility. <i>Journal of Materials Chemistry A</i> , 2013, 1, 8725.	5.2	56
12	Chemical composition tuning in quaternary $p$ -type Pb-chalcogenides – a promising strategy for enhanced thermoelectric performance. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 1835-1840.	1.3	48
13	Processable 2D materials beyond graphene: $\text{MoS}_2$ liquid crystals and fibres. <i>Nanoscale</i> , 2016, 8, 16862-16867.	2.8	40
14	Microstructure and activation characteristics of Mg-Ni alloy modified by multi-walled carbon nanotubes. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 4144-4153.	3.8	39
15	Alendronate improves fasting plasma glucose and insulin sensitivity, and decreases insulin resistance in prediabetic osteopenic postmenopausal women: A randomized triple-blind clinical trial. <i>Journal of Diabetes Investigation</i> , 2019, 10, 731-737.	1.1	37
16	Thermoelectric Performance of Na-Doped GeSe. <i>ACS Omega</i> , 2017, 2, 9192-9198.	1.6	34
17	One-step bonding of Ni electrode to $n$ -type PbTe – A step towards fabrication of thermoelectric generators. <i>Materials and Design</i> , 2016, 107, 90-97.	3.3	33
18	Thermoelectric performance of tellurium-reduced quaternary $p$ -type lead-chalcogenide composites. <i>Acta Materialia</i> , 2014, 80, 365-372.	3.8	28

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19	Band-Gap Nonlinearity in Lead Chalcogenide (PbQ, Q = Te, Se, S) Alloys. ACS Omega, 2017, 2, 3417-3423.	1.6	28
20	Fabrication and characterization of textured Bi <sub>2</sub> Te <sub>3</sub> thermoelectric thin films prepared on glass substrates at room temperature using pulsed laser deposition. Journal of Crystal Growth, 2013, 362, 247-251.	0.7	24
21	Diabetes and all-cause mortality, a 18-year follow-up study. Scientific Reports, 2020, 10, 3183.	1.6	24
22	Recent Progress in Multiphase Thermoelectric Materials. Materials, 2021, 14, 6059.	1.3	23
23	Thermoelectric performance of n-type Mg <sub>2</sub> Ge. Scientific Reports, 2017, 7, 3988.	1.6	21
24	Body mass index and the all-cause mortality rate in patients with type 2 diabetes mellitus. Acta Diabetologica, 2018, 55, 569-577.	1.2	19
25	Thermoelectric Performance of n-Type Magnetic Element Doped Bi <sub>2</sub> S <sub>3</sub> . ACS Applied Energy Materials, 2022, 5, 3845-3853.	2.5	19
26	Fabrication of thermoelectric materials with thermal stability and repeatability of achieved efficiencies. Journal of Materials Chemistry C, 2015, 3, 10610-10615.	2.7	17
27	Elemental distributions within multiphase quaternary Pb chalcogenide thermoelectric materials determined through three-dimensional atom probe tomography. Nano Energy, 2016, 26, 157-163.	8.2	15
28	Solid-State Bonding of Bulk PbTe to Nickel Electrode for Thermoelectric Modules. ACS Applied Energy Materials, 2018, 1, 348-354.	2.5	14
29	Thyroid-stimulating hormone (TSH) serum levels and risk of spontaneous abortion: A prospective population-based cohort study. Clinical Endocrinology, 2019, 91, 163-169.	1.2	14
30	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.	2.6	12
31	Comparison of hydrogen storage properties of Mg-Ni from different preparation methods. Materials Chemistry and Physics, 2011, 127, 405-408.	2.0	11
32	Thermoelectric performance of thermally aged nanostructured bulk materials—a case study of lead chalcogenides. Materials Today Physics, 2020, 13, 100190.	2.9	11
33	Crystal structure, electronic structure and thermoelectric properties of n-type BiSbSTe <sub>2</sub> . Journal Physics D: Applied Physics, 2012, 45, 125301.	1.3	9
34	Origin of resistivity anomaly in p-type lead chalcogenide multiphase compounds. AIP Advances, 2015, 5, 053601.	0.6	9
35	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.	0.7	8
36	Effect of the Fabrication Technique on the Thermoelectric Performance of Mg-Based Compounds—A Case Study of n-Type Mg <sub>2</sub> Ge. ACS Omega, 2017, 2, 8069-8074.	1.6	7

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37	Thermoelectric Performance of Single Phase p-Type Quaternary (PbTe) <sub>0.65</sub> (PbSe) <sub>0.35</sub> (PbS) Alloys. ACS Applied Energy Materials, 2018, 1, 1898-1903.	2.5	7
38	TEM characterization of precipitates in the segregated regions of a low-carbon, low-manganese, titanium-added steel. Journal of Microscopy, 2007, 227, 92-97.	0.8	6
39	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.	0.8	5
40	TEM analysis of centreline sulphide precipitates modified by titanium additions to low carbon steel. Journal of Microscopy, 2008, 232, 123-129.	0.8	5
41	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, Volume 12, 1123-1139.	1.1	4
42	Multiphase identification in Ni-PbTe contacts by EBSD and aberration-corrected STEM. Materials and Design, 2020, 185, 108252.	3.3	4
43	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.	0.8	3
44	Assessing phase discrimination via the segmentation of an elemental energy dispersive X-ray spectroscopy map: a case study of Bi <sub>2</sub> Te <sub>3</sub> and Bi <sub>2</sub> Te <sub>2</sub> S. RSC Advances, 2018, 8, 7457-7464.	1.7	3
45	Suspension Characteristics and Electrophoretic Deposition of p-Type Bi <sub>2</sub> Te <sub>3</sub> Films for Thermoelectric Applications. Journal of the Electrochemical Society, 2018, 165, D364-D369.	1.3	3
46	Mechanically induced combustion synthesis and thermoelectric properties of nanostructured strontium hexaboride (SrB <sub>6</sub> ). Ceramics International, 2019, 45, 14426-14431.	2.3	3
47	In situ characterisation of nanostructured multiphase thermoelectric materials at elevated temperatures. Physical Chemistry Chemical Physics, 2016, 18, 32814-32819.	1.3	2
48	Thermoelectric Performance of Single-Phase Tellurium-Reduced Quaternary (PbTe) <sub>0.55</sub> (PbS) <sub>0.1</sub> (PbSe) <sub>0.35</sub> . ACS Omega, 2019, 4, 9235-9240.	1.6	2
49	Influence of microalloying elements (Ti, Nb) and nitrogen concentrations on precipitation of pipeline steels: A thermodynamic approach. Engineering Reports, 2021, 3, e12337.	0.9	2
50	Thermoelectric Properties and Microstructure Studies of Spinodally Decomposed PbTe <sub>0.38</sub> S <sub>0.62</sub> Alloy. Science of Advanced Materials, 2014, 6, 1453-1459.	0.1	2
51	Hydrogen Storage Properties of Mg-Ni Alloy Catalysed by Multi-Walled Carbon Nanotubes. Materials Science Forum, 2010, 654-656, 2843-2846.	0.3	0