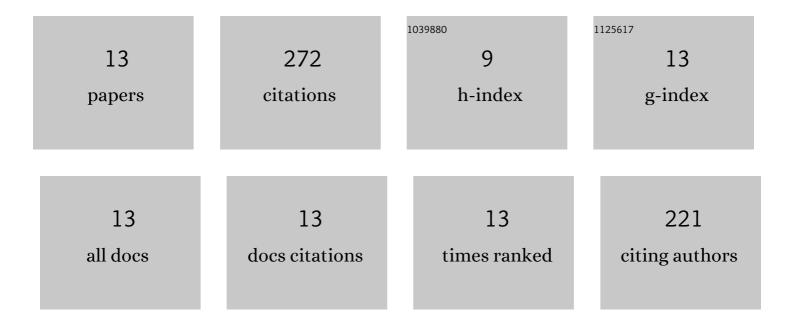
Barna Roy

List of Publications by Year in descending order

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RADNA ROV

#	Article	IF	CITATIONS
1	Effect of cryorolling on the microstructure and tensile properties of bulk nano-austenitic stainless steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 631, 241-247.	2.6	62
2	Mechanism of lamellae deformation and phase rearrangement in ultrafine β-Ti/FeTi eutectic composites. Acta Materialia, 2015, 97, 170-179.	3.8	39
3	Effect of twin spacing, dislocation density and crystallite size on the strength of nanostructured α-brass. Journal of Alloys and Compounds, 2015, 618, 139-145.	2.8	34
4	High temperature oxidation response of Al/Ce doped Mo–Si–B composites. Intermetallics, 2017, 83, 101-109.	1.8	28
5	Transient stage oxidation behavior of Mo76Si14B10 alloy at 1150°C. Corrosion Science, 2013, 68, 231-237.	3.0	25
6	Strengthening face centered cubic crystals by annealing induced nano-twins. Scientific Reports, 2017, 7, 17512.	1.6	20
7	Evolution and interaction of twins, dislocations and stacking faults in rolled $\hat{I}\pm$ -brass during nanostructuring at sub-zero temperature. AIP Advances, 2014, 4, .	0.6	19
8	Hybrid thermal stabilization of Zr doped nanocrystalline Cu. Materials and Design, 2019, 164, 107564.	3.3	15
9	Improvement of oxidation resistance of arc-melted Mo 76 Si 14 B 10 by microstructure control upon minor Fe addition. Intermetallics, 2017, 88, 28-30.	1.8	12
10	Tuning of nanostructure by the control of twin density, dislocation density, crystallite size, and stacking fault energy in Cu 100â´'x Zn x (0≤ â‰90 wt%). Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 672, 203-215.	2.6	9
11	Effect of Oxygen Partial Pressure on the Cyclic Oxidation Behavior of Mo76Si14B10. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2013, 44, 2910-2913.	1.1	4
12	Micro-texture regions in rolled Ti-6Al-4V under polarized light. Scripta Materialia, 2022, 213, 114588.	2.6	3
13	Enhanced thermal stability of nanocrystalline Cu-Al alloy by nanotwin and nanoprecipitate. Journal of Alloys and Compounds, 2022, 922, 166273.	2.8	2