

# Barna Roy

## List of Publications by Year in descending order

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221  
citing authors

#	ARTICLE	IF	CITATIONS
1	Micro-texture regions in rolled Ti-6Al-4V under polarized light. Scripta Materialia, 2022, 213, 114588.	5.2	3
2	Enhanced thermal stability of nanocrystalline Cu-Al alloy by nanotwin and nanoprecipitate. Journal of Alloys and Compounds, 2022, 922, 166273.	5.5	2
3	Hybrid thermal stabilization of Zr doped nanocrystalline Cu. Materials and Design, 2019, 164, 107564.	7.0	15
4	High temperature oxidation response of Al/Ce doped Mo-Si-B composites. Intermetallics, 2017, 83, 101-109.	3.9	28
5	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.	3.9	12
6	Strengthening face centered cubic crystals by annealing induced nano-twins. Scientific Reports, 2017, 7, 17512.	3.3	20
7	Tuning of nanostructure by the control of twin density, dislocation density, crystallite size, and stacking fault energy in Cu 100 $\hat{x}$ Zn x (0 $\hat{\%}$ x $\hat{\%}$ 30 wt%). Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 672, 203-215.	5.6	9
8	Mechanism of lamellae deformation and phase rearrangement in ultrafine $\hat{2}$ -Ti/FeTi eutectic composites. Acta Materialia, 2015, 97, 170-179.	7.9	39
9	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.	5.6	62
10	Effect of twin spacing, dislocation density and crystallite size on the strength of nanostructured $\hat{1}$ -brass. Journal of Alloys and Compounds, 2015, 618, 139-145.	5.5	34
11	Evolution and interaction of twins, dislocations and stacking faults in rolled $\hat{1}$ -brass during nanostructuring at sub-zero temperature. AIP Advances, 2014, 4, .	1.3	19
12	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.	2.2	4
13	Transient stage oxidation behavior of Mo76Si14B10 alloy at 1150 $\hat{A}$ C. Corrosion Science, 2013, 68, 231-237.	6.6	25