

Aniruddha Biswas

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A Combinatorial Approach to Reliable Quantitative Analysis of Small Nano-Sized Precipitates: A Case Study with Fe_2C Precipitates in Fe-20 at% Cr Alloy. <i>Microscopy and Microanalysis</i> , 2022, 28, 1370-1384.	0.4	2
2	Phenomenal Effect of Stable (Ti, Mo)C Nano-Sized Precipitates in Retarding the Recrystallization and Grain Growth in High-Strength Ferritic Steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2022, 53, 689-705.	2.2	5
3	On the Competitive Substitutional Partitioning During Nano-pearlitic Transformation in Multicomponent Steels. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2022, 53, 1806-1820.	2.2	3
4	Quantitative evaluation of spinodal decomposition in thermally aged binary Fe-35 at.% Cr alloys by correlative atom probe tomography and small angle neutron scattering analyses. <i>Materialia</i> , 2021, 15, 101014.	2.7	6
5	Magnetic ordering of the martensite phase in Ni-Co-Mn-Sn-based ferromagnetic shape memory alloys. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 115801.	1.8	11
6	Revisiting Temporal Evolution of Cu-Rich Precipitates in Fe-Cu Alloy: Correlative Small Angle Neutron Scattering and Atom-Probe Tomography Studies. <i>Microscopy and Microanalysis</i> , 2019, 25, 840-848.	0.4	11
7	Delamination of Pearlitic Steel Wires: The Defining Role of Prior-Drawing Microstructure. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2018, 49, 2037-2047.	2.2	9
8	Giant magnetocaloric effect from reverse martensitic transformation in Ni-Mn-Ga-Cu ferromagnetic shape memory alloys. <i>Journal of Alloys and Compounds</i> , 2016, 670, 281-288.	5.5	40
9	Temporal evolution of coherent precipitates in an aluminum alloy W319: A correlative anisotropic small angle X-ray scattering, transmission electron microscopy and atom-probe tomography study. <i>Acta Materialia</i> , 2016, 116, 219-230.	7.9	21
10	Effect of partial substitution of Fe by Mn in Ni55Fe19Ga26 on its microstructure and magnetic properties. <i>Journal of Alloys and Compounds</i> , 2014, 586, 515-523.	5.5	19
11	Hot deformation behavior of Ni-Fe-Ga-based ferromagnetic shape memory alloy - A study using processing map. <i>Intermetallics</i> , 2014, 54, 69-78.	3.9	32
12	Compositional evolution of Q-phase precipitates in an aluminum alloy. <i>Acta Materialia</i> , 2014, 75, 322-336.	7.9	83
13	Neutron diffraction evidence for kinetic arrest of first order magneto-structural phase transitions in some functional magnetic materials. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 496011.	1.8	20
14	Precipitates in Al-Cu alloys revisited: Atom-probe tomographic experiments and first-principles calculations of compositional evolution and interfacial segregation. <i>Acta Materialia</i> , 2011, 59, 6187-6204.	7.9	206
15	Deformation studies of $\text{Ni}_{55}\text{Fe}_{19}\text{Ga}_{26}$. <i>Physics Procedia</i> , 2010, 10, 105-110.		
16	Simultaneous Segregation at Coherent and Semicoherent Heterophase Interfaces. <i>Physical Review Letters</i> , 2010, 105, 076102.	7.8	80
17	Phenomenal Effect of Stable (Ti, Mo)C Nano-Sized Precipitates in Retarding the Recrystallization and Grain Growth in High-Strength Ferritic Steel. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0