

Patrick R Cantwell

List of Publications by Year in descending order

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12
papers

1,221
citations

933447

10
h-index

1281871

11
g-index

12
all docs

12
docs citations

12
times ranked

1440
citing authors

#	ARTICLE	IF	CITATIONS
1	Grain boundary complexions. <i>Acta Materialia</i> , 2014, 62, 1-48.	7.9	660
2	Segregation-induced ordered superstructures at general grain boundaries in a nickel-bismuth alloy. <i>Science</i> , 2017, 358, 97-101.	12.6	130
3	Grain Boundary Complexion Transitions. <i>Annual Review of Materials Research</i> , 2020, 50, 465-492.	9.3	96
4	Multimodal grain size distribution and high hardness in fine grained tungsten fabricated by spark plasma sintering. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 5670-5677.	5.6	82
5	Expanding time-temperature-transformation (TTT) diagrams to interfaces: A new approach for grain boundary engineering. <i>Acta Materialia</i> , 2016, 106, 78-86.	7.9	73
6	Review of grain boundary complexion engineering: Know your boundaries. <i>Journal of the American Ceramic Society</i> , 2019, 102, 778-800.	3.8	46
7	A grain boundary phase transition in Si-Au. <i>Scripta Materialia</i> , 2012, 66, 203-206.	5.2	38
8	The influence of oxygen contamination on the thermal stability and hardness of nanocrystalline Ni-W alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 664, 49-57.	5.6	38
9	Complexion time-temperature-transformation (TTT) diagrams: Opportunities and challenges. <i>Current Opinion in Solid State and Materials Science</i> , 2016, 20, 316-323.	11.5	31
10	Grain boundary segregation in Al-Mn electrodeposits prepared from ionic liquid. <i>Journal of Materials Science</i> , 2016, 51, 438-448.	3.7	21
11	Crystallization and electrochemical performance of La _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.8} O _{3-δ} -Ce _{0.8} Gd _{0.2} O _{1.9} thin film cathodes processed by single solution spray pyrolysis. <i>Solid State Ionics</i> , 2011, 203, 62-68.	2.7	6
12	A Grain Boundary "TTT" Tribute to Thomas L. <i>Microscopy and Microanalysis</i> , 2016, 22, 1230-1231. 0.4	0.4	0