Mathew Peet

List of Publications by Year
in descending order

25	1,277	516710 16	552781 26
papers	citations	h-index	g-index

26	26	26	1304
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tempering of hard mixture of bainitic ferrite and austenite. Materials Science and Technology, 2004, 20, 814-818.	1.6	156
2	Structure of the SARS-CoV-2 RNA-dependent RNA polymerase in the presence of favipiravir-RTP. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	144
3	Prediction of thermal conductivity of steel. International Journal of Heat and Mass Transfer, 2011, 54, 2602-2608.	4.8	118
4	Three-dimensional atom probe analysis of carbon distribution in low-temperature bainite. Scripta Materialia, 2004, 50, 1277-1281.	5.2	107
5	Multifunctional graphene supports for electron cryomicroscopy. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 11718-11724.	7.1	105
6	The energy dependence of contrast and damage in electron cryomicroscopy of biological molecules. Ultramicroscopy, 2019, 203, 125-131.	1.9	98
7	CryoEM at 100â€…keV: a demonstration and prospects. IUCrJ, 2019, 6, 1086-1098.	2.2	89
8	Synchrotron X-ray studies of austenite and bainitic ferrite. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2008, 464, 1009-1027.	2.1	86
9	Effect of tempering upon the tensile properties of a nanostructured bainitic steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 615, 340-347.	5.6	54
10	Fatigue of extremely fine bainite. Materials Science and Technology, 2011, 27, 119-123.	1.6	46
11	Heat transfer coefficients during quenching of steels. Heat and Mass Transfer, 2011, 47, 315-321.	2.1	39
12	Further evidence of tetragonality in bainitic ferrite. Materials Science and Technology, 2015, 31, 254-256.	1.6	35
13	Surface Relief Due to Bainite Transformation at 473ÂK (200ÂÂ°C). Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2011, 42, 3344-3348.	2.2	28
14	Tempering of Low-Temperature Bainite. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2017, 48, 3410-3418.	2.2	28
15	Severe tempering of bainite generated at low transformation temperatures. International Journal of Materials Research, 2012, 103, 1319-1324.	0.3	25
16	Hydrogen Susceptibility of Nanostructured Bainitic Steels. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 718-725.	2.2	23
17	An integrated hot rolling and microstructure model for dual-phase steels. Modelling and Simulation in Materials Science and Engineering, 2014, 22, 045005.	2.0	18
18	Strength and toughness of clean nanostructured bainite. Materials Science and Technology, 2017, 33, 1171-1179.	1.6	15

#	Article	IF	Citations
19	Magnetism and high magnetic-field-induced stability of alloy carbides in Fe-based materials. Scientific Reports, 2018, 8, 3049.	3.3	15
20	Temperature cycling and the rate of the bainite transformation. Materials Science and Technology, 2010, 26, 453-456.	1.6	12
21	Spheroidisation of hypereutectoid state of nanostructured bainitic steel. Materials Science and Technology, 2014, 30, 1282-1286.	1.6	12
22	On the reduction in the effects of radiation damage to two-dimensional crystals of organic and biological molecules at liquid-helium temperature. Ultramicroscopy, 2022, 237, 113512.	1.9	10
23	Heat transfer coefficient and latent heat of martensite in a medium-carbon steel. International Communications in Heat and Mass Transfer, 2012, 39, 1519-1521.	5.6	5
24	Low-temperature transformation to bainite in a medium-carbon steel. International Journal of Materials Research, 2017, 108, 89-98.	0.3	4
25	Optimizing the Electron Energy for Cryomicroscopy. Microscopy and Microanalysis, 2019, 25, 984-985.	0.4	2