

Mathew Peet

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,277
citations

516710

16
h-index

552781

26
g-index

26
all docs

26
docs citations

26
times ranked

1304
citing authors

#	ARTICLE	IF	CITATIONS
1	On the reduction in the effects of radiation damage to two-dimensional crystals of organic and biological molecules at liquid-helium temperature. <i>Ultramicroscopy</i> , 2022, 237, 113512.	1.9	10
2	Structure of the SARS-CoV-2 RNA-dependent RNA polymerase in the presence of favipiravir-RTP. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	144
3	Optimizing the Electron Energy for Cryomicroscopy. <i>Microscopy and Microanalysis</i> , 2019, 25, 984-985.	0.4	2
4	Multifunctional graphene supports for electron cryomicroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 11718-11724.	7.1	105
5	The energy dependence of contrast and damage in electron cryomicroscopy of biological molecules. <i>Ultramicroscopy</i> , 2019, 203, 125-131.	1.9	98
6	CryoEM at 100 keV: a demonstration and prospects. <i>IUCr</i> , 2019, 6, 1086-1098.	2.2	89
7	Magnetism and high magnetic-field-induced stability of alloy carbides in Fe-based materials. <i>Scientific Reports</i> , 2018, 8, 3049.	3.3	15
8	Strength and toughness of clean nanostructured bainite. <i>Materials Science and Technology</i> , 2017, 33, 1171-1179.	1.6	15
9	Tempering of Low-Temperature Bainite. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2017, 48, 3410-3418.	2.2	28
10	Low-temperature transformation to bainite in a medium-carbon steel. <i>International Journal of Materials Research</i> , 2017, 108, 89-98.	0.3	4
11	Hydrogen Susceptibility of Nanostructured Bainitic Steels. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2016, 47, 718-725.	2.2	23
12	Further evidence of tetragonality in bainitic ferrite. <i>Materials Science and Technology</i> , 2015, 31, 254-256.	1.6	35
13	An integrated hot rolling and microstructure model for dual-phase steels. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2014, 22, 045005.	2.0	18
14	Effect of tempering upon the tensile properties of a nanostructured bainitic steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 615, 340-347.	5.6	54
15	Spheroidisation of hypereutectoid state of nanostructured bainitic steel. <i>Materials Science and Technology</i> , 2014, 30, 1282-1286.	1.6	12
16	Severe tempering of bainite generated at low transformation temperatures. <i>International Journal of Materials Research</i> , 2012, 103, 1319-1324.	0.3	25
17	Heat transfer coefficient and latent heat of martensite in a medium-carbon steel. <i>International Communications in Heat and Mass Transfer</i> , 2012, 39, 1519-1521.	5.6	5
18	Fatigue of extremely fine bainite. <i>Materials Science and Technology</i> , 2011, 27, 119-123.	1.6	46

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19	Heat transfer coefficients during quenching of steels. <i>Heat and Mass Transfer</i> , 2011, 47, 315-321.	2.1	39
20	Surface Relief Due to Bainite Transformation at 473 K (200 °C). <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2011, 42, 3344-3348.	2.2	28
21	Prediction of thermal conductivity of steel. <i>International Journal of Heat and Mass Transfer</i> , 2011, 54, 2602-2608.	4.8	118
22	Temperature cycling and the rate of the bainite transformation. <i>Materials Science and Technology</i> , 2010, 26, 453-456.	1.6	12
23	Synchrotron X-ray studies of austenite and bainitic ferrite. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2008, 464, 1009-1027.	2.1	86
24	Tempering of hard mixture of bainitic ferrite and austenite. <i>Materials Science and Technology</i> , 2004, 20, 814-818.	1.6	156
25	Three-dimensional atom probe analysis of carbon distribution in low-temperature bainite. <i>Scripta Materialia</i> , 2004, 50, 1277-1281.	5.2	107