

Dong-Sheng Qian

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

489
citations

759055

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all docs

25
docs citations

25
times ranked

170
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanism of void healing in cold rolled aeroengine M50 bearing steel under electroshocking treatment: A combined experimental and simulation study. <i>Materials Characterization</i> , 2022, 185, 111736.	1.9	25
2	Rapid Spheroidizing Annealing via Combining Warm Deformation with Divorced Eutectoid Transformation in M50 Steel. <i>Metals</i> , 2022, 12, 359.	1.0	1
3	Enhanced Wear Resistance of the Ultrastrong Ultrasonic Shot-Peened M50 Bearing Steel with Gradient Nanograins. <i>Metals</i> , 2022, 12, 424.	1.0	13
4	A novel route to improve the fatigue properties of aviation M50 steel via tailoring the bainite content and cold deformation. <i>Journal of Materials Research and Technology</i> , 2022, 18, 3857-3871.	2.6	15
5	Tempering response and improved mechanical properties in secondary hardened steel by introducing an optimized austempering process. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 807, 140895.	2.6	26
6	The Effect of Flow Lines on the Mechanical Properties in Hot-Rolled Bearing Steel. <i>Metals</i> , 2021, 11, 456.	1.0	3
7	The Mechanical and Thermoelectric Properties of Bi ₂ Te ₃ -Based Alloy Prepared by Constrained Hot Compression Technique. <i>Metals</i> , 2021, 11, 1060.	1.0	14
8	Effect of high magnetic field on the microstructure evolution and mechanical properties of M50 bearing steel during tempering. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 771, 138623.	2.6	30
9	Microstructure and Mechanical Properties of M50 Steel by Combining Cold Rolling with Austempering. <i>Metals</i> , 2020, 10, 381.	1.0	10
10	Obtaining ultrafine spheroidized carbides by combining warm deformation with divorced eutectoid transformation in GCr15 bearing steel. <i>Materials Research Express</i> , 2020, 7, 046505.	0.8	4
11	Effect of Prior Cold Deformation on the Stability of Retained Austenite in GCr15 Bearing Steel. <i>Acta Metallurgica Sinica (English Letters)</i> , 2019, 32, 107-115.	1.5	24
12	Voids healing and carbide refinement of cold rolled M50 bearing steel by electropulsing treatment. <i>Scientific Reports</i> , 2019, 9, 11315.	1.6	32
13	The effect of prior cold rolling on the carbide dissolution, precipitation and dry wear behaviors of M50 bearing steel. <i>Tribology International</i> , 2019, 132, 253-264.	3.0	81
14	Enhanced toughness of bearing steel by combining prior cold deformation with martensite pre-quenching and bainite transformation. <i>Materials Letters</i> , 2019, 234, 5-8.	1.3	33
15	Transformation from non-isothermal to isothermal tempering of steel based on isoconversional method. <i>Journal of Materials Science</i> , 2018, 53, 2774-2784.	1.7	10
16	Accelerating Cementite Precipitation during the Non-Isothermal Process by Applying Tensile Stress in GCr15 Bearing Steel. <i>Materials</i> , 2018, 11, 2403.	1.3	10
17	Hot deformation behavior and constitutive modeling of Q345E alloy steel under hot compression. <i>Journal of Central South University</i> , 2017, 24, 284-295.	1.2	8
18	Tribological Performance Improvement of Bearing Steel GCr15 by an Alternating Magnetic Treatment. <i>Acta Metallurgica Sinica (English Letters)</i> , 2017, 30, 957-964.	1.5	10

#	ARTICLE	IF	CITATIONS
19	Experiment study on warm ring rolling of 52100 bearing steel coupling microstructure spheroidisation. <i>Procedia Engineering</i> , 2017, 207, 1224-1229.	1.2	8
20	Recent development of ring rolling theory and technique. <i>International Journal of Materials and Product Technology</i> , 2017, 54, 65.	0.1	23
21	Recent development of ring rolling theory and technique. <i>International Journal of Materials and Product Technology</i> , 2017, 54, 65.	0.1	3
22	Microstructural evolution of GCr15 steel during austenitizing and quenching considering C and Cr content. <i>Journal of Central South University</i> , 2016, 23, 2492-2499.	1.2	6
23	Grain refinement limit during hot radial ring rolling of as-cast GCr15 steel. <i>Journal of Materials Processing Technology</i> , 2016, 231, 151-161.	3.1	43
24	Finite element analysis of deformation characteristics in cold helical rolling of bearing steel-balls. <i>Journal of Central South University</i> , 2015, 22, 1175-1183.	1.2	34
25	Effect of rolling ratio on groove-section profile ring rolling. <i>Journal of Mechanical Science and Technology</i> , 2010, 24, 1679-1687.	0.7	23