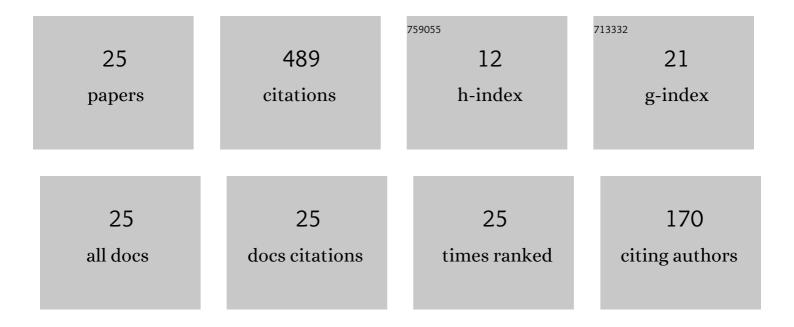
## Dong-Sheng Qian

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/2912913/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Mechanism of void healing in cold rolled aeroengine M50 bearing steel under electroshocking treatment: A combined experimental and simulation study. Materials Characterization, 2022, 185, 111736.	1.9	25
2	Rapid Spheroidizing Annealing via Combining Warm Deformation with Divorced Eutectoid Transformation in M50 Steel. Metals, 2022, 12, 359.	1.0	1
3	Enhanced Wear Resistance of the Ultrastrong Ultrasonic Shot-Peened M50 Bearing Steel with Gradient Nanograins. Metals, 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. Journal of Materials Research and Technology, 2022, 18, 3857-3871.	2.6	15
5	Tempering response and improved mechanical properties in secondary hardened steel by introducing an optimized austempering process. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 807, 140895.	2.6	26
6	The Effect of Flow Lines on the Mechanical Properties in Hot-Rolled Bearing Steel. Metals, 2021, 11, 456.	1.0	3
7	The Mechanical and Thermoelectric Properties of Bi2Te3-Based Alloy Prepared by Constrained Hot Compression Technique. Metals, 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. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 771, 138623.	2.6	30
9	Microstructure and Mechanical Properties of M50 Steel by Combining Cold Rolling with Austempering. Metals, 2020, 10, 381.	1.0	10
10	Obtaining ultrafine spheroidized carbides by combining warm deformation with divorced eutectoid transformation in GCr15 bearing steel. Materials Research Express, 2020, 7, 046505.	0.8	4
11	Effect of Prior Cold Deformation on the Stability of Retained Austenite in GCr15 Bearing Steel. Acta Metallurgica Sinica (English Letters), 2019, 32, 107-115.	1.5	24
12	Voids healing and carbide refinement of cold rolled M50 bearing steel by electropulsing treatment. Scientific Reports, 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. Tribology International, 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. Materials Letters, 2019, 234, 5-8.	1.3	33
15	Transformation from non-isothermal to isothermal tempering of steel based on isoconversional method. Journal of Materials Science, 2018, 53, 2774-2784.	1.7	10
16	Accelerating Cementite Precipitation during the Non-Isothermal Process by Applying Tensile Stress in GCr15 Bearing Steel. Materials, 2018, 11, 2403.	1.3	10
17	Hot deformation behavior and constitutive modeling of Q345E alloy steel under hot compression. Journal of Central South University, 2017, 24, 284-295.	1.2	8
18	Tribological Performance Improvement of Bearing Steel GCr15 by an Alternating Magnetic Treatment. Acta Metallurgica Sinica (English Letters), 2017, 30, 957-964.	1.5	10

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