

# Feng Wang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4871348/publications.pdf>

Version: 2024-02-01

24  
papers

473  
citations

840585

11  
h-index

713332

21  
g-index

24  
all docs

24  
docs citations

24  
times ranked

178  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Mechanical behavior and deformation mechanism of 7075 aluminum alloy under solution induced dynamic strain aging. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 759, 498-505.	2.6	49
3	Self-healing capability of asphalt mixture containing polymeric composite fibers under acid and saline-alkali water solutions. <i>Journal of Cleaner Production</i> , 2020, 268, 122387.	4.6	37
4	Evolution of microstructure and mechanical properties during tempering of M50 steel with Bainite/Martensite duplex structure. <i>Journal of Materials Research and Technology</i> , 2020, 9, 6712-6722.	2.6	36
5	Tailoring the residual stress and mechanical properties by electroshocking treatment in cold rolled M50 steel. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 780, 139171.	2.6	35
6	Voids healing and carbide refinement of cold rolled M50 bearing steel by electropulsing treatment. <i>Scientific Reports</i> , 2019, 9, 11315.	1.6	32
7	Effect of high magnetic field on the microstructure evolution and mechanical properties of M50 bearing steel during tempering. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 771, 138623.	2.6	30
8	Tempering response and improved mechanical properties in secondary hardened steel by introducing an optimized austempering process. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 807, 140895.	2.6	26
9	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
10	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
11	Enhanced Impact Toughness of Previously Cold Rolled High-Carbon Chromium Bearing Steel with Rare Earth Addition. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 8178-8187.	1.2	15
12	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
13	Enhanced Wear Resistance of the Ultrastrong Ultrasonic Shot-Peened M50 Bearing Steel with Gradient Nanograins. <i>Metals</i> , 2022, 12, 424.	1.0	13
14	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
15	Microstructure and Mechanical Properties of M50 Steel by Combining Cold Rolling with Austempering. <i>Metals</i> , 2020, 10, 381.	1.0	10
16	Microstructure Evolution and Tempering Transformation Kinetics in a Secondary Hardened M50 Steel Subjected to Cold Ring Rolling. <i>ISIJ International</i> , 2021, 61, 361-371.	0.6	9
17	Effect of die structure on extrusion forming of thin-walled component with I-type longitudinal ribs. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 108, 1959-1971.	1.5	6
18	Effect of Relief-hole Diameter on Die Elastic Deformation during Cold Precision Forging of Helical Gears. <i>Procedia Engineering</i> , 2017, 207, 627-632.	1.2	5

#	ARTICLE	IF	CITATIONS
19	Promoting the interface connection of hot-compression bonded stainless steel via introducing a novel electroshocking treatment. <i>Journal of Materials Research and Technology</i> , 2022, 18, 2140-2151.	2.6	5
20	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
21	The Effect of Flow Lines on the Mechanical Properties in Hot-Rolled Bearing Steel. <i>Metals</i> , 2021, 11, 456.	1.0	3
22	Effect of prior cold ring rolling on carbide dissolution during the austenitizing process of an M50 bearing steel. <i>Materials Express</i> , 2020, 10, 1010-1019.	0.2	2
23	Rapid Spheroidizing Annealing via Combining Warm Deformation with Divorced Eutectoid Transformation in M50 Steel. <i>Metals</i> , 2022, 12, 359.	1.0	1
24	The wear behaviours of G20CrNi2MoA carburised steel under different temperature. <i>International Journal of Computational Materials Science and Surface Engineering</i> , 2020, 9, 134.	0.2	0