

Katsuyuki Kida

List of Publications by Year in descending order

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papers

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citations

777949

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193
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193
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193
times ranked

488
citing authors

#	ARTICLE	IF	CITATIONS
1	PEEK/graphite film formation on microgrooves of PEEK- hybrid radial Al ₂ O ₃ ball bearings under rolling contact in dry condition. Tribology International, 2022, 172, 107583.	3.0	5
2	Observation of Cracks Originating from Transition Area in Induction-Heated S45C Shaft under Rotating Bending Fatigue. Key Engineering Materials, 2020, 832, 3-9.	0.4	3
3	Effect of Lamination Direction on the AE Behavior of 3D Printed Specimen during Tensile Testing. Key Engineering Materials, 2020, 858, 84-88.	0.4	0
4	Observation of Tribological Wear on PEEK Shaft with Artificial Defect under Radial Rolling Sliding Point Contact. Key Engineering Materials, 2020, 858, 95-100.	0.4	2
5	Flaking of PEEK under one-point rolling contact fatigue using Al ₂ O ₃ ball. MATEC Web of Conferences, 2019, 264, 01004.	0.1	1
6	Influence of groove shape on rolling contact fatigue of PEEK-PTFE hybrid radial bearings in dry conditions. MATEC Web of Conferences, 2019, 264, 01005.	0.1	1
7	Failure Observation of 3D-Printed Thrust Bearing Specimens with Inner Defects in Water Conditions. Key Engineering Materials, 2019, 814, 224-228.	0.4	1
8	Observation of Tribological Fatigue Fracture on PEEK Shaft with Artificial Defect under One-Point Rolling Contact by Using 2.5D Layer Method. Key Engineering Materials, 2019, 814, 314-319.	0.4	3
9	Characterization of Crack Growth Behavior of Carburized SCM415 Steel under Cyclic Rotating Bending. Solid State Phenomena, 2019, 298, 13-18.	0.3	2
10	Observation of crack growth behavior of various cracks in 4.762mm silicon nitride balls under cyclic compressive load. The Proceedings of Conference of Hokuriku-Shinetsu Branch, 2019, 2019.56, K033.	0.0	1
11	Influence of repeated quenching-tempering on spheroidized carbide area in JIS SUJ2 bearing steel. IOP Conference Series: Materials Science and Engineering, 2018, 307, 012045.	0.3	1
12	Effect of observation position of SUJ2 bar specimens on inclusions distribution. IOP Conference Series: Materials Science and Engineering, 2018, 307, 012046.	0.3	2
13	Rolling Contact Fatigue Life of 13Cr-2Ni-2Mo Stainless Steels which are Surface Treated by Induction Heating (IH) and Wide Peening Cleaning (WPC). Key Engineering Materials, 2018, 777, 366-371.	0.4	1
14	Evaluation of rolling contact fatigue of induction heated 13Cr-2Ni-2Mo Stainless steel bar with Si ₃ N ₄ -ball. IOP Conference Series: Materials Science and Engineering, 2018, 324, 012064.	0.3	2
15	Crack growth and splitting failure of silicon nitride ceramic balls under cyclic pressure loads. Mechanics of Materials, 2017, 106, 58-66.	1.7	10
16	Image analyzing method to detect vague boundaries by using reaction-diffusion system. Applied Numerical Mathematics, 2017, 114, 124-131.	1.2	2
17	Observation of Furnace-Induction Quenched Microstructure in High Carbon High Chromium Steel. Materials Science Forum, 2017, 904, 36-39.	0.3	1
18	Fatigue of Low Carbon Alloy Steel (JIS S45C) and a New Method of Fracture Surface Analysis. Materials Science Forum, 2017, 893, 181-185.	0.3	4

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19	Investigation of subsurface fatigue crack in PEEK shaft under one-point rolling contact by using 2.5D layer observation method. MATEC Web of Conferences, 2017, 130, 09001.	0.1	4
20	Investigation of wear, groove shape and load capacity of PPS-PTFE hybrid radial ball bearings. MATEC Web of Conferences, 2017, 130, 09002.	0.1	1
21	Rolling Contact Fatigue and Static Compression Deformation of UHMWPE thrust bearing in water. MATEC Web of Conferences, 2017, 130, 09003.	0.1	0
22	Observation of fracture behavior of 3-D printed specimens under rolling contact fatigue in water. MATEC Web of Conferences, 2017, 130, 09004.	0.1	3
23	Evaluation of Tribological Thermal Failure on PEEK-PTFE Hybrid Alumina Ball Bearings. Materials Science Forum, 2016, 878, 142-147.	0.3	2
24	Effect of New Pocket Design on the Failure of Thrust UHMWPE Bearings in Dry Condition. Key Engineering Materials, 2016, 703, 192-196.	0.4	4
25	Observation of Retained Austenite Amount of Repeatedly Induction Heated SUJ2 Bearing Steels. Materials Science Forum, 2016, 867, 55-59.	0.3	0
26	Observation of Fatigue Fracture on PEEK Shaft against Alumina Bearing's Ball under One-Point Rolling Contact. Materials Science Forum, 2016, 878, 137-141.	0.3	2
27	Changes in Magnetic Flux Density Distributions of Chromium Molybdenum Steel (JIS, SCM440) by Slit Opening and Crack Growth. Key Engineering Materials, 2016, 703, 376-379.	0.4	0
28	Effect of plastic deformation on magnetic fields around fatigue crack tips of carbon tool steel (JIS,) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	2.8	4
29	Relationship between Solid Lubricant Layer and Friction Coefficient of PPS Races-PTFE Retainer Hybrid Thrust Bearings under Dry Condition. Advanced Materials Research, 2015, 1102, 129-134.	0.3	1
30	An Image Analyzing Method by a Homology Concept for Fracture Surfaces. Advanced Materials Research, 2015, 1102, 135-138.	0.3	0
31	Relation between the Betti Number of Fatigue Fracture Surfaces and Stress Intensity Factors of Low Carbon Steel (JIS, S45C). Advanced Materials Research, 2015, 1102, 59-63.	0.3	2
32	Wear of hybrid radial bearings (PEEK ring-PTFE retainer and alumina balls) under dry rolling contact. Tribology International, 2015, 90, 77-83.	3.0	34
33	Fatigue characterisation of HIP-silicon nitride under shear stress: effect of stress ratio on surface crack growth in silicon nitride square bar under cyclic torsion. Materials Research Innovations, 2014, 18, S5-1-S5-4.	1.0	0
34	Measurement of fatigue and wear of PEEK bush and A7075 cam plate in humanoid robot joints. Materials Research Innovations, 2014, 18, S1-38-S1-43.	1.0	1
35	Homology analysis of structures of high carbon bearing steel: effect of repeated quenching on prior austenite grain size. Materials Research Innovations, 2014, 18, S1-33-S1-37.	1.0	9
36	Surface crack and wear of PPS polymer thrust bearings under rolling contact fatigue in water. Materials Research Innovations, 2014, 18, S5-42-S5-47.	1.0	6

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37	Influence of Thrice-Induction-Heating and Once-Quenching on Fatigue Strength of SAE52100 Steel. <i>Advanced Materials Research</i> , 2014, 893, 415-418.	0.3	1
38	Surface Observation of PPS Thrust Bearings under Rolling Contact Fatigue in Water. <i>Applied Mechanics and Materials</i> , 2014, 563, 270-274.	0.2	1
39	Scanning Hall probe microscopy of residual magnetic fields around plastic deformation of Vickers indentations in carbon tool steel (JIS, SKS93). <i>Mechanics of Materials</i> , 2014, 69, 262-269.	1.7	5
40	<i>Editorial</i>. <i>Materials Research Innovations</i> , 2014, 18, S1-1-S1-1.	1.0	0
41	Observation of rolling contact fatigue of induction heated 13Cr-2Ni-2Mo stainless steel under reciprocating motion. <i>Materials Research Innovations</i> , 2014, 18, S5-52-S5-56.	1.0	3
42	Three-dimensional observation of magnetic fields in alloy tool steel under spherical Hertzian contact. <i>Materials Research Innovations</i> , 2014, 18, S1-71-S1-75.	1.0	0
43	Relationship between repeatedly quenching and fisheye cracks around TiN and Al ₂ O ₃ inclusions in high carbon bearing steel. <i>Materials Research Innovations</i> , 2014, 18, S1-60-S1-65.	1.0	11
44	Changes in three-dimensional magnetic fields of star shaped JIS-SKS93 plates embedded in clear acrylic cold mounting resin under tensile loads. <i>Materials Research Innovations</i> , 2014, 18, S1-89-S1-93.	1.0	0
45	Three-dimensional magnetic microscopy of early stage fatigue in WMZ of low carbon steel plates (JIS-SS400). <i>Materials Research Innovations</i> , 2014, 18, S1-66-S1-70.	1.0	17
46	Changes in magnetic field intensities around fatigue crack tips of medium carbon low alloy steel (S45C, JIS). <i>International Journal of Fatigue</i> , 2013, 56, 33-41.	2.8	7
47	Comparative evaluation of metal and polymer ball bearings. <i>Wear</i> , 2013, 302, 1499-1505.	1.5	20
48	Single-Ball Rolling Contact Fatigue of 13Cr-2Ni-2Mo Stainless Steels Quenched by Induction Heating Method. <i>Applied Mechanics and Materials</i> , 2013, 300-301, 1372-1376.	0.2	4
49	The Quantization of the Structure of Fisheyes via Homology Method. <i>Applied Mechanics and Materials</i> , 2013, 307, 409-414.	0.2	3
50	Surface Profile Observation of PTFE Radial Bearings under Rolling-Contact-Fatigue in Water. <i>Applied Mechanics and Materials</i> , 2013, 307, 337-341.	0.2	2
51	Observation of Crack Initiation Direction around Inclusions in SUJ2 under Single-Ball Rolling Contact Fatigue. <i>Applied Mechanics and Materials</i> , 2013, 307, 342-346.	0.2	2
52	Observation of Three Dimensional Magnetic Fields of Tool Steel (JIS-SKS93) around Vicker's Indentations. <i>Applied Mechanics and Materials</i> , 2013, 372, 265-269.	0.2	0
53	Influence of Repeated Quenching on Bearing Steel Martensitic Structure Investigated by Homology. <i>Applied Mechanics and Materials</i> , 2013, 372, 270-272.	0.2	4
54	Effect of Rotation Speeds on Friction Coefficients of PPS Race-PTFE Retainer Hybrid Polymer Thrust Bearings under Dry Contact. <i>Applied Mechanics and Materials</i> , 2013, 418, 205-208.	0.2	2

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55	Homology Analysis of Prior Austenite Grain Size of SAE52100 Bearing Steel Processed by Cyclic Heat Treatment. <i>Advanced Materials Research</i> , 2013, 813, 116-119.	0.3	6
56	Investigation of Crack Initiation and Propagation during Rolling Contact Fatigue of SUJ2 Steel Bearings Using a Newly Developed One-Point Testing Machine. <i>Applied Mechanics and Materials</i> , 2012, 152-154, 1233-1238.	0.2	2
57	Early Stages of the Wear Behavior of AISI 440C Stainless Steel under Rolling Contact in Water. <i>Advanced Materials Research</i> , 2012, 566, 654-659.	0.3	2
58	Effect of Repeated Quenching on the Rotating Bending Strength of SAE52100 Bearing Steel. <i>Advanced Materials Research</i> , 2012, 457-458, 1025-1031.	0.3	5
59	Observation of Magnetic Fields in Medium Carbon Low Alloy Steel JIS S45C under Point Contact Loading. <i>Advanced Materials Research</i> , 2012, 566, 15-21.	0.3	1
60	Epitaxial Growth of Ni-Based Superalloys Using Laser and Spark Deposition. <i>Applied Mechanics and Materials</i> , 2012, 152-154, 1244-1249.	0.2	1
61	Coating of Ti64 Bearings in Air by Using a Q-Sw Laser. <i>Applied Mechanics and Materials</i> , 2012, 152-154, 1239-1243.	0.2	1
62	Influence of Wear and Backlash on Machined PEEK Polymer Bushes and 7075 Aluminium Alloy Cam Plates Used in Robot Joints. <i>Applied Mechanics and Materials</i> , 2012, 157-158, 1178-1185.	0.2	3
63	Effect of Thrust Load and Rotation Speed on Wear Loss in PPS Race - PTFE Retainer Hybrid Polymer Thrust Bearings under Dry Contact. <i>Advanced Materials Research</i> , 2012, 566, 157-161.	0.3	13
64	Wear Resistance Improvement of Titanium Bearings by Laser Gas Nitriding. <i>Applied Mechanics and Materials</i> , 2012, 152-154, 1227-1232.	0.2	1
65	Homology Applied to Characterization of Welded Grain Structures in Low Carbon Steel. <i>Advanced Materials Research</i> , 2012, 566, 399-405.	0.3	1
66	Surface Crack Growth from Small Indentations in a Silicon Nitride Square Bar under Cyclic Reversed Torsion. <i>Advanced Materials Research</i> , 2012, 566, 65-69.	0.3	1
67	Investigation of wear in induction-heated AISI E 52100 steel bars under reciprocating motion. <i>International Journal of Materials and Product Technology</i> , 2012, 44, 240.	0.1	10
68	Observation of non-metallic inclusions on repeatedly quenched SAE 52100 bearing steel fracture surfaces. <i>International Journal of Materials and Product Technology</i> , 2012, 44, 227.	0.1	14
69	Changes in the microstructure of 13Cr-2Ni-2Mo stainless steels through the quenching process by induction heating. <i>International Journal of Materials and Product Technology</i> , 2012, 45, 31.	0.1	8
70	Effect of sulphide inclusions on rolling contact fatigue life of bearing steels. <i>Materials Science and Technology</i> , 2012, 28, 39-43.	0.8	32
71	Asymmetric Change in Three Dimensional Magnetic Fields of Bearing Steel (JIS-SUJ2) under Spherical Hertzian Contact. <i>Applied Mechanics and Materials</i> , 2012, 157-158, 1031-1037.	0.2	4
72	Influence of Wear and Thermal Deformation on Machined PEEK Plastic Bush and Ti Crank Shaft. <i>Polymers and Polymer Composites</i> , 2012, 20, 117-122.	1.0	0

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73	Fatigue Strength Improvement of AISI E52100 Bearing Steel by Induction Heating and Repeated Quenching. <i>Materials Science</i> , 2012, 47, 677-682.	0.3	22
74	Observation of magnetic flux density around fatigue crack tips in bearing steel using an SHPM with a three-dimensional small-gap probe. <i>International Journal of Fatigue</i> , 2012, 39, 38-43.	2.8	15
75	Self-lubrication of PEEK polymer bearings in rolling contact fatigue under radial loads. <i>Tribology International</i> , 2012, 49, 30-38.	3.0	67
76	Mode II surface crack growth under rolling contact fatigue and cyclic shear stress in Si_3N_4 . <i>WIT Transactions on Engineering Sciences</i> , 2012, , .	0.0	4
77	Effect of inclusion/matrix interface cavities on internal-fracture-type rolling contact fatigue life. <i>Materials & Design</i> , 2011, 32, 4980-4985.	5.1	43
78	Study of rolling contact fatigue of bearing steels in relation to various oxide inclusions. <i>Materials & Design</i> , 2011, 32, 1605-1611.	5.1	107
79	Observation of Magnetic Flux Density Distribution around Fatigue Crack and Application to Non-Destructive Evaluation of Stress Intensity Factor. <i>Procedia Engineering</i> , 2011, 10, 881-886.	1.2	16
80	Effects of Magnetizations on Three Dimensional Magnetic Flux Density of Pre-Cracked Medium Carbon Low Alloy Steel (JIS S45C). <i>Applied Mechanics and Materials</i> , 2011, 83, 230-236.	0.2	5
81	Effect of Frequency on Fatigue Cracks of Silicon Nitride Balls under Cyclic Loads. <i>Advanced Materials Research</i> , 2011, 217-218, 874-879.	0.3	0
82	The Influence of Stress Ratio on Changes in Magnetic Flux Density around Fatigue Crack Tips of Carbon Tool Steel. <i>Applied Mechanics and Materials</i> , 2011, 83, 210-215.	0.2	7
83	Localization of Partial Magnetization around Artificial Slits in Square Bars of Medium Carbon Low Alloy Steel JIS S45C. <i>Advanced Materials Research</i> , 2011, 217-218, 1297-1302.	0.3	6
84	Semi-circular surface cracks and flaking failures in silicon nitride bearings. <i>Advanced Materials Letters</i> , 2011, 2, 336-340.	0.3	4
85	Influence of Radial Load on PEEK Plastic Bearings Life Cycle. <i>Advanced Materials Research</i> , 2010, 154-155, 1288-1291.	0.3	10
86	Influence of repeated quenching on the rolling contact fatigue of bearing steel. <i>Proceedings of SPIE</i> , 2009, , .	0.8	2
87	Changes in magnetic flux density around fatigue crack tips. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2009, 32, 180-188.	1.7	22
88	Three-dimensional observations of magnetic flux density around fatigue crack tips of bearing steels. , 2009, , .		1
89	Effects of residual stress on crack growth of silicon nitride balls under cyclic pressure loads. <i>Proceedings of SPIE</i> , 2009, , .	0.8	2
90	Changes in magnetic flux density around fatigue crack tips of carbon tool steels. , 2009, , .		1

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91	Flaking failures originating from microholes of bearings under rolling contact fatigue. Fatigue and Fracture of Engineering Materials and Structures, 2006, 29, 1021-1030.	1.7	14
92	Evaluation of Stress Intensity Factor of Semi-circular Micro Surface Crack under Ball-on-Plate Contact Loading. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 2005, 71, 288-293.	0.2	2
93	Static and fatigue strengths of pre-cracked silicon nitride balls under pressure load. International Journal of Fatigue, 2005, 27, 165-175.	2.8	11
94	Flaking failure originating from a single surface crack in silicon nitride under rolling contact fatigue. Fatigue and Fracture of Engineering Materials and Structures, 2005, 28, 1087-1097.	1.7	30
95	Crack initiation from micro surface holes in bearings under rolling contact fatigue. Fatigue and Fracture of Engineering Materials and Structures, 2004, 27, 481-493.	1.7	20
96	Surface crack growth of silicon nitride bearings under rolling contact fatigue. Fatigue and Fracture of Engineering Materials and Structures, 2004, 27, 657-668.	1.7	17
97	Surface Crack Growth in Si ₃ N ₄ under Cyclic Shear Load, and under Rolling Contact Fatigue (Mode II) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 Society of Mechanical Engineers, Part A, 2004, 70, 504-509.	0.2	1
98	Rolling Contact Fatigue in Carburized Steel (SCM415) and Crack Initiation Depth. Zairyo/Journal of the Society of Materials Science, Japan, 2004, 53, 487-492.	0.1	2
99	OS12(5)-22(OS12W0143) An Experimental Method to Simulate the Fracture of Faults in Earthquakes, and a Macro-Mechanics Model. The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2003, 2003, 299.	0.0	1
100	OS12W0143 An experimental method to simulate the fracture of faults in earthquakes, and a macro-mechanics model. The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2003, 2003.2, OS12W0143- OS12W0143.	0.0	0
101	è»ÇãĈĒã,Šç-²ăŠ'ã•ăē£,é€²ă±•æ©ŸæŠκ. Zairyo/Journal of the Society of Materials Science, Japan, 2002, 51, 867-873.0.1		1
102	Fracture Mechanics Approach into the Flaking Subsurface Crack Growth of Si ₃ N ₄ under Spherical Hertzian Rolling Contact.. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 2000, 66, 783-790.	0.2	3
103	Surface Crack Growth Behavior on Si ₃ N ₄ under Ball-on-Plate Contact in the Near Border of Contact Area.. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 2000, 66, 901-908.	0.2	3
104	Fracture Mechanics Approach into the Crack Growth of Si ₃ N ₄ under Ball-on-Plate Contact. (Surface) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 1999, 65, 2113-2119.	0.2	1
105	Observations of Surface Crack Growth and Wear in Si ₃ N ₄ under Ball-on-Plate Contact.. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 1999, 65, 846-852.	0.2	4
106	Fatigue. Observation of Flaking Failure of Si ₃ N ₄ under Ball-on-Plate Rolling Contact.. Zairyo/Journal of the Society of Materials Science, Japan, 1999, 48, 1090-1094.	0.1	3
107	Rolling Contact Fatigue Damage in TiC- and TiN-Coated Steels.. Zairyo/Journal of the Society of Materials Science, Japan, 1997, 46, 77-83.	0.1	0
108	The Influence of Surface Texture on Rolling-Contact Fatigue of PEEK Bearings in Water. Advanced Materials Research, 0, 154-155, 1713-1716.	0.3	6

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109	A Simple Experimental Method to Simulate the Fracture and Faults in Earthquakes. Advanced Materials Research, 0, 150-151, 1444-1447.	0.3	0
110	Optimization of Laser Deposited Ni-Based Single Crystal Superalloys Microstructure. Advanced Materials Research, 0, 154-155, 1405-1414.	0.3	24
111	Influence of Cyclic Heat Treatment and Oxygen Content on the Rolling Contact Fatigue of JIS SUJ2 Bearings. Advanced Materials Research, 0, 217-218, 982-987.	0.3	11
112	Wear Resistance Improvement of Titanium Bearings by Laser Gas Nitriding. Advanced Materials Research, 0, 418-420, 1629-1634.	0.3	7
113	Magnetic Microscopic Evaluation of Early-Stage Fatigue in WMZ (Weld Metal Zone) of Low Carbon Steel Plates (JIS, SS400). Advanced Materials Research, 0, 255-260, 4186-4192.	0.3	6
114	Flaking Failure in Silicon Nitride under Reciprocating Rolling Contact Fatigue. Advanced Materials Research, 0, 217-218, 866-873.	0.3	2
115	The Observation of Changes in the Magnetic Field due to the Crack Initiation under Different Stress Ratio Conditions. Advanced Materials Research, 0, 217-218, 1408-1413.	0.3	2
116	Effect of Repeated Induction Heating on Fatigue Crack Propagation in SAE 52100 Bearing Steel. Advanced Materials Research, 0, 217-218, 1266-1271.	0.3	32
117	Investigation of Crack Initiation and Propagation during Rolling Contact Fatigue of SUJ2 Steel Bearings Using a Newly Developed One-Point Testing Machine. Advanced Materials Research, 0, 418-420, 1613-1617.	0.3	5
118	Wear Resistance Improvement of Titanium Bearings by Laser Gas Nitriding. Advanced Materials Research, 0, 217-218, 988-993.	0.3	2
119	Epitaxial Growth of Ni-Based Superalloys Using Laser and Spark Deposition. Advanced Materials Research, 0, 418-420, 1564-1569.	0.3	0
120	Rolling Contact Fatigue of Titanium Alloys Coated by Gas Nitriding Using a Q-Sw Laser. Applied Mechanics and Materials, 0, 83, 191-196.	0.2	0
121	Influence of Radial Load on PEEK Plastic Bearings Life Cycle under Water Lubricated Conditions. Advanced Materials Research, 0, 217-218, 1260-1265.	0.3	16
122	Coating of Ti64 Bearings in Air by Using a Q-Sw Laser. Advanced Materials Research, 0, 418-420, 393-397.	0.3	0
123	Observations of Cracks from Microscopic Holes of PEEK Bearings under Rolling-Contact Fatigue in Water. Advanced Materials Research, 0, 566, 197-202.	0.3	10
124	Measurement of Joint Element Transmission Error in a Humanoid Walking Robot. Advanced Materials Research, 0, 566, 348-352.	0.3	4
125	Observation of Wear in PEEK Race - PTFE Retainer Hybrid Polymer Bearings under Dry Contact. Advanced Materials Research, 0, 457-458, 557-562.	0.3	1
126	Observation of Crack Propagation in PEEK Polymer Bearings under Water-Lubricated Conditions. Advanced Materials Research, 0, 566, 109-114.	0.3	18

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127	Microstructural Evaluation of 13Cr-2Ni-2Mo Stainless Steel Quenched by Induction Heating. Advanced Materials Research, 0, 457-458, 525-530.	0.3	2
128	Changes in the Magnetic Fields of Star-Shaped JIS-SKS93 Plates Embedded in Clear Acrylic Cold Mounting Resin under Tensile Stress. Advanced Materials Research, 0, 457-458, 884-890.	0.3	0
129	Microstructure and Rolling Contact Fatigue Strength of Induction Heated AISI 52100 Bearings. Advanced Materials Research, 0, 566, 288-292.	0.3	2
130	Effect of Off-Center Magnetization Location on Changes in Magnetic Fields under Single Spherical Hertzian Contact. Advanced Materials Research, 0, 566, 103-108.	0.3	2
131	Observation of Crack Initiation from Inclusions in Rolling Contact Fatigue Tested Specimens, Using a Newly Developed Single-Ball Testing Device. Advanced Materials Research, 0, 566, 182-186.	0.3	4
132	Relationship between Load, Rotation Speed and, Strength in All - PEEK and PEEK Race “ PTFE Retainer Hybrid Polymer Bearings under Dry Rolling Contact Fatigue. Advanced Materials Research, 0, 567, 66-70.	0.3	20
133	Observation of Fisheye Cracks around TiN and Al₂O₃ Inclusions in Repeatedly Quenched High Carbon Bearing Steel. Advanced Materials Research, 0, 566, 150-156.	0.3	2
134	Observation of Wear in Induction-Heat-Treated Bearing Steel Bars under Reciprocating Motion. Advanced Materials Research, 0, 457-458, 504-510.	0.3	1
135	Comparison between the RCF Performance of TiN- and TiO₂-Laser Coated Ti64 Bearings. Advanced Materials Research, 0, 566, 308-312.	0.3	0
136	Changes in Three Dimensional Magnetic Fields of Carbon Tool Steel (JIS-SKS93) under Single Spherical Hertzian Contact. Advanced Materials Research, 0, 457-458, 578-585.	0.3	3
137	Changes in Magnetic Fields in Tool Steel (SKS93, JIS) under Single Tensile Load. Applied Mechanics and Materials, 0, 307, 144-148.	0.2	2
138	Observation of Wear Surface between Pure PEEK and Counterpart Materials; Titanium and 7075 Aluminum Alloy, in Robot Joint. Applied Mechanics and Materials, 0, 307, 347-351.	0.2	7
139	Relationship between Life, Load and Rotation Speed of UHMWPE Bearing under Dry Rolling Contact Fatigue. Advanced Materials Research, 0, 683, 77-81.	0.3	1
140	Quantitative Estimates of Repeatedly Quenched High Carbon Bearing Steel. Applied Mechanics and Materials, 0, 372, 273-276.	0.2	3
141	Wear and Transmission Error between PEEK Bush and 7075 Aluminium Alloy Cam Plate Components in Robot Joints. Applied Mechanics and Materials, 0, 307, 3-8.	0.2	4
142	Change in Backlash of Humanoid Robot Joints under High Load. Applied Mechanics and Materials, 0, 372, 507-511.	0.2	0
143	Measurement of Backlash and Fatigue Wear of PEEK Bush in Robot Joint under Middle Load. Applied Mechanics and Materials, 0, 418, 38-43.	0.2	3
144	Surface Profile Observation of PTFE Thrust Bearings under Rolling Contact Fatigue in Water. Advanced Materials Research, 0, 683, 391-395.	0.3	5

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145	Effect of Crack Opening on Distribution of Magnetic Flux Density around Fatigue Cracks. <i>Advanced Materials Research</i> , 0, 813, 20-23.	0.3	1
146	Fourier Transform Infrared Spectroscopy for Wear Debris Adhesion on PEEK Bearing Surface. <i>Applied Mechanics and Materials</i> , 0, 307, 372-376.	0.2	4
147	Influence of Repeated Quenching-Tempering on Fisheye Cracks around Tin and Al ₂ O ₃ Inclusions in SAE 52100 Steel. <i>Applied Mechanics and Materials</i> , 0, 300-301, 1298-1303.	0.2	3
148	Comparison of Wear on PEEK-PTFE and PPS-PTFE Radial Bearings under Rolling Contact Fatigue. <i>Applied Mechanics and Materials</i> , 0, 372, 503-506.	0.2	3
149	Influence of Load and Rotation Speed on Life of PPS Radial Bearings under Water Lubricant Conditions. <i>Advanced Materials Research</i> , 0, 683, 439-443.	0.3	8
150	Homology Estimate of Grain Size Measurement Based on the JIS Samples. <i>Advanced Materials Research</i> , 0, 813, 120-123.	0.3	4
151	Effect of PTFE Retainer on Friction Coefficient in Polymer Thrust Bearings under Dry Contact. <i>Advanced Materials Research</i> , 0, 683, 90-93.	0.3	10
152	Observation of Wear on PEEK-PTFE Hybrid Radial Bearings. <i>Advanced Materials Research</i> , 0, 683, 385-390.	0.3	8
153	Observation of Corrosion Resistance of 13Cr-2Ni-2Mo Stainless Steel Quenched by Induction Heating. <i>Applied Mechanics and Materials</i> , 0, 597, 140-143.	0.2	5
154	Period of Fine Granular Area Formation of Bearing Steel in Very High Cycle Fatigue Regime. <i>Advanced Materials Research</i> , 0, 891-892, 434-439.	0.3	2
155	Effect of Twice Quenching on Prior Austenite Grains and Rotating Bending Fatigue Cracks in SUJ2 Steel. <i>Applied Mechanics and Materials</i> , 0, 620, 443-448.	0.2	7
156	Wear Track Observation on Induction-Heated 13Cr-2Ni-2Mo Stainless Steel under Cyclic Reciprocating Motion. <i>Applied Mechanics and Materials</i> , 0, 563, 71-75.	0.2	1
157	The Betti Number of Prior Austenite Structure of Repeated Quenching Bearing Steels (JIS, SUJ2). <i>Advanced Materials Research</i> , 0, 1082, 191-196.	0.3	3
158	Crack Initiation Observation in Early Stage of Rolling Contact Fatigue of SUJ2 Using a Single-Ball Apparatus. <i>Applied Mechanics and Materials</i> , 0, 620, 421-424.	0.2	0
159	Application of the Betti Number to Prior Austenite Grain Size Analysis of Repeatedly Quenched Steel Based on the Homology Method. <i>Advanced Materials Research</i> , 0, 1102, 45-49.	0.3	0
160	Observation of Cracks of PEEK Polymer Thrust Bearings under Rolling Contact Fatigue in Water. <i>Key Engineering Materials</i> , 0, 703, 172-177.	0.4	4
161	Crack Observation of PPS Polymer Thrust Bearings under RCF Test in Water. <i>Key Engineering Materials</i> , 0, 703, 178-182.	0.4	2
162	Relationship between Failure and Temperature of PTFE Thrust Bearings under Dry Condition. <i>Key Engineering Materials</i> , 0, 703, 183-186.	0.4	1

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163	Backlash Evaluation of Hybrid UHMWPE-PEEK Bushes in a Small Robot Joint System. Key Engineering Materials, 0, 703, 187-191.	0.4	0
164	Effect of Repeated Quenching on Rolling Contact Fatigue Properties of JIS SUJ2 Bearing Steel. Materials Science Forum, 0, 867, 60-65.	0.3	2
165	Effect of Groove Geometry on Rolling Contact Fatigue of PEEK Thrust Bearings in Water. Materials Science Forum, 0, 878, 117-121.	0.3	5
166	Rolling Contact Fatigue Observation of Radial PPS Bearings under Dry Condition. Key Engineering Materials, 0, 703, 197-201.	0.4	4
167	Observation of Fracture Surface of Induction-Heated JIS SUJ2 Bearing Steel under Rotating Bending Fatigue. Materials Science Forum, 0, 904, 24-28.	0.3	5
168	Non-Destructive Stress Evaluation of Tool Steel Using Scanning Hall Probe Microscope: Effect of Stress Direction on Three Dimensional Magnetic Fields. Key Engineering Materials, 0, 741, 105-109.	0.4	0
169	Three-Dimensional Scanning Hall Probe Microscopy for Final Stage of Crack Growth of Chromium Molybdenum Steel SCM440. Key Engineering Materials, 0, 748, 386-390.	0.4	0
170	Influence of Furnace-Induction Heating on Hardness Distribution and Retained Austenite in JIS SUJ2 Bearing Steel. Key Engineering Materials, 0, 792, 30-34.	0.4	0
171	Failure Observation of 3D-Printed Thrust Bearing Specimens at Cross Section Observations in Dry Conditions. Key Engineering Materials, 0, 777, 446-450.	0.4	4
172	Subsurface Stress Distribution and Failure of PPS Thrust Bearings under Rolling Contact Fatigue in Water. Key Engineering Materials, 0, 814, 152-156.	0.4	1
173	Observation of Crack Growth Behavior of 400 μ m Cracks in 4.762mm Silicon Nitride Balls under Cyclic Compressive Load. Key Engineering Materials, 0, 814, 335-339.	0.4	0
174	Observation of Crack Growth Behavior of Various Cracks in 4.762mm Diameter Silicon Nitride Balls under Cyclic Compressive Load. Materials Science Forum, 0, 971, 101-105.	0.3	3
175	Development of Fracture Surface Etching (FSE) Method around Non-Metallic Inclusion of SUJ2 Steel. Materials Science Forum, 0, 971, 65-69.	0.3	3
176	Observation of Subsurface Crack of Carburized Steel (SCM415) under Single-Ball Rolling Contact Fatigue over 10 ⁷ Cycles. Solid State Phenomena, 0, 298, 19-23.	0.3	0
177	Crack Growth Evaluation of Induction Quenched JIS-S45C Steel Based on Stress Intensity Factor Simulation. Materials Science Forum, 0, 1020, 126-130.	0.3	0
178	Contact Temperature Calibration of PPS Thrust Bearings under Dry Condition. Materials Science Forum, 0, 1020, 131-135.	0.3	0
179	Observation of Surface and Subsurface Crack Propagation in PPS Thrust Bearings under Rolling Contact Fatigue in Water. Materials Science Forum, 0, 1020, 120-125.	0.3	1
180	Friction Coefficient and Wear of PEEK-PTFE Hybrid Radial Ball Bearings under Dry Conditions. Materials Science Forum, 0, 1020, 114-119.	0.3	4

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181	Surface Observation of Induction-Heated 13Cr-2Ni-2Mo Stainless Steel after Interrupted Fatigue Testing under Rolling Contact Stress in Water. Solid State Phenomena, 0, 315, 72-76.	0.3	1
182	Image Evaluation of Distribution of Carbide Particles in Repeatedly Quenched (Two and Three Times) JIS-SUJ2 Steels. Solid State Phenomena, 0, 315, 66-71.	0.3	0
183	Observation of Crack Originating from Non-Metallic Inclusions in Furnace-Induction Heated SUJ2 Steel under One-Point Rolling Contact Fatigue at High Contact Pressure. Materials Science Forum, 0, 1033, 3-7.	0.3	1
184	Evaluation of Internal Crack Growth of PPS Thrust Bearings under Rolling Contact Fatigue in Water. Key Engineering Materials, 0, 888, 77-81.	0.4	0
185	Internal Shear Stress Distribution and Subsurface Cracks of PPS Thrust Bearings under Rolling Contact Fatigue in Water. Key Engineering Materials, 0, 858, 101-105.	0.4	3
186	Influence on Tribological Behavior of PEEK Composite Film Layer on PEEK-PTFE Bearings with Artificial Defect in Dry Condition. Key Engineering Materials, 0, 904, 243-249.	0.4	0
187	Life and Flaking Failure of 13Cr-2Ni-2Mo and SUS440C Stainless Steel Bearings in Water. Key Engineering Materials, 0, 904, 131-136.	0.4	1
188	Weibull Distribution to Evaluate the Reliability of PEEK Thrust Bearings under Rolling Contact Fatigue in Water. Solid State Phenomena, 0, 331, 191-195.	0.3	0
189	Evaluation of Hardness Distributions around Fracture Surface in Induction-Heated SUJ2 Steel after Rotating Bending Fatigue Test. Solid State Phenomena, 0, 331, 61-65.	0.3	0