

Yong Hoon Jang

List of Publications by Year in descending order

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32
papers

1,477
citations

840119

11
h-index

433756

31
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34
all docs

34
docs citations

34
times ranked

2375
citing authors

#	ARTICLE	IF	CITATIONS
1	Conductive Fiber-Based Ultrasensitive Textile Pressure Sensor for Wearable Electronics. <i>Advanced Materials</i> , 2015, 27, 2433-2439.	11.1	929
2	Linear elastic contact of the Weierstrass profile. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2000, 456, 387-405.	1.0	194
3	Frictionally-excited thermoelastic instability in functionally graded material. <i>Wear</i> , 2007, 262, 1102-1112.	1.5	44
4	Effect of contact statistics on electrical contact resistance. <i>Journal of Applied Physics</i> , 2003, 94, 7215-7221.	1.1	36
5	Effect of phase on the frictional dissipation in systems subjected to harmonically varying loads. <i>European Journal of Mechanics, A/Solids</i> , 2011, 30, 269-274.	2.1	25
6	Effect of functionally graded material on frictionally excited thermoelastic instability. <i>Wear</i> , 2009, 266, 139-146.	1.5	22
7	Frictionally excited thermoelastic instability in a thin layer of functionally graded material sliding between two half-planes. <i>Wear</i> , 2009, 267, 1715-1722.	1.5	22
8	Frictional energy dissipation in materials containing cracks. <i>Journal of the Mechanics and Physics of Solids</i> , 2011, 59, 583-594.	2.3	19
9	Contact problems involving beams. <i>International Journal of Solids and Structures</i> , 2014, 51, 4435-4439.	1.3	19
10	Electrical conductance between conductors with dissimilar temperature-dependent material properties. <i>Journal Physics D: Applied Physics</i> , 1998, 31, 3197-3205.	1.3	14
11	Frictionally excited thermo-elastoplastic instability. <i>Tribology International</i> , 2010, 43, 779-784.	3.0	14
12	Linear Micro-patterned Drug Eluting Balloon (LMDEB) for Enhanced Endovascular Drug Delivery. <i>Scientific Reports</i> , 2018, 8, 3666.	1.6	14
13	Estimation of the weldability of single-sided resistance spot welding. <i>Journal of Manufacturing Systems</i> , 2013, 32, 505-512.	7.6	13
14	Electrical contact resistance for a conductive Velcro system. <i>Tribology International</i> , 2014, 80, 115-121.	3.0	11
15	Effects of Thermal Contact Resistance on Transient Thermoelastic Contacts for an Elastic Foundation. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2005, 72, 972-977.	1.1	10
16	Multiscale electrical contact resistance in clustered contact distribution. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 165302.	1.3	10
17	Effects of carbon nanotubes on electrical contact resistance of a conductive Velcro system under low frequency vibration. <i>Tribology International</i> , 2016, 104, 45-56.	3.0	10
18	Explicit solution of the frictional contact problem of anisotropic materials indented by a moving stamp with a triangular or parabolic profile. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2013, 64, 831-861.	0.7	9

#	ARTICLE	IF	CITATIONS
19	Frictional Hertzian contact problems under cyclic loading using static reduction. International Journal of Solids and Structures, 2014, 51, 252-258.	1.3	9
20	Droplet transfer and spatter generation in DC-AC pulse tandem gas metal arc welding. Science and Technology of Welding and Joining, 2020, 25, 589-599.	1.5	9
21	Genetic-Algorithm-Based Controlling of Microcontact Distributions to Minimize Electrical Contact Resistance. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2012, 2, 1768-1776.	1.4	6
22	Multiscale Electrical Contact Resistance Between Gas Diffusion Layer and Bipolar Plate in Proton Exchange Membrane Fuel Cells. Journal of Fuel Cell Science and Technology, 2012, 9, .	0.8	5
23	Spatial distributions of islands in fractal surfaces and natural surfaces. Chaos, Solitons and Fractals, 2012, 45, 1453-1459.	2.5	5
24	Thermal boundary conditions in sliding contact problem. Tribology International, 2016, 103, 69-72.	3.0	5
25	Electrothermal crack analysis in a finite conductive layer with temperature-dependent material properties. Journal Physics D: Applied Physics, 2005, 38, 2468-2475.	1.3	3
26	Effect of the volume of a functionally graded material layer on frictionally excited thermoelastic instability. Tribology International, 2012, 49, 103-109.	3.0	3
27	Frictional energy dissipation for coupled systems subjected to harmonically varying loads. Tribology International, 2019, 134, 205-210.	3.0	3
28	Micro-Mechanical Behavior of a Unidirectional Composite Subjected to Transverse Shear Loading. Applied Composite Materials, 2011, 18, 127-148.	1.3	2
29	Frictional contact behaviors between beam and cylinder under cyclic loading. International Journal of Mechanical Sciences, 2017, 131-132, 693-700.	3.6	2
30	Characteristics of Microcellular Foamed Ceramic Urethane. Polymers, 2021, 13, 1817.	2.0	2
31	The multiple fields created by two perfectly-conducting punches on piezoelectric/piezomagnetic materials with anisotropy. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2017, 97, 946-960.	0.9	0
32	Stability of thermoelastic sliding problem with contact pressure-dependent thermal contact resistance. International Journal of Solids and Structures, 2022, , 111857.	1.3	0