

# Bora Yildirim

## List of Publications by Year in descending order

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41  
papers

695  
citations

777949

13  
h-index

651938

25  
g-index

41  
all docs

41  
docs citations

41  
times ranked

370  
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of stress distributions between a frictional rigid cylinder and laminated glass fiber composites. <i>Acta Mechanica</i> , 2021, 232, 4379-4403.	1.1	5
2	A brief review on the mechanical behavior of nonwoven fabrics. <i>Journal of Engineered Fibers and Fabrics</i> , 2020, 15, 155892502097019.	0.5	8
3	Numerical and empirical modeling of peak deceleration and stress analysis of polyurethane elastomer under impact loading test. <i>Polymer Testing</i> , 2020, 89, 106594.	2.3	8
4	Frictional receding contact problem of a functionally graded layer resting on a homogeneous coated half-plane. <i>Archive of Applied Mechanics</i> , 2020, 90, 2113-2131.	1.2	8
5	Failure Prediction of Composite Open Hole Tensile Test Specimens Using Bond Based Peridynamic Theory. <i>Procedia Structural Integrity</i> , 2020, 28, 2055-2064.	0.3	2
6	Sliding frictional contact analysis of a monoclinic coating/isotropic substrate system. <i>Mechanics of Materials</i> , 2019, 137, 103132.	1.7	9
7	The effect of orthotropic material gradation on the plane sliding frictional contact mechanics problem. <i>Journal of Strain Analysis for Engineering Design</i> , 2019, 54, 254-275.	1.0	4
8	Double frictional receding contact problem for an orthotropic layer loaded by normal and tangential forces. <i>Meccanica</i> , 2019, 54, 2183-2206.	1.2	11
9	On the plane frictional contact problem of a homogeneous orthotropic layer loaded by a rigid cylindrical stamp. <i>Archive of Applied Mechanics</i> , 2019, 89, 1403-1419.	1.2	7
10	Analytical and finite element solution of the sliding frictional contact problem for a homogeneous orthotropic coatingâ€¦isotropic substrate system. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2019, 99, e201800117.	0.9	12
11	Fabrication, Morphology Analysis, and Mechanical Properties of Ti Foams Manufactured Using the Space Holder Method for Bone Substitute Materials. <i>Metals</i> , 2019, 9, 340.	1.0	14
12	Adaptive Control of Nonlinear Spur Gear Dynamics with Parametric Disturbance Rejection. , 2019, , .		2
13	SoÄŸuk ekstrÄ¼zyon prosesinin termo-mekanik baÄŸliÄ± sonlu elemanlar analizi ile incelenmesi. <i>Journal of the Faculty of Engineering and Architecture of Gazi University</i> , 2019, 35, 323-336.	0.3	0
14	Interface Cracking of FGM Coatings under Uniform Thermal Loading. , 2019, , 388-396.		0
15	Frictional receding contact problem for a graded bilayer system indented by a rigid punch. <i>International Journal of Mechanical Sciences</i> , 2018, 141, 127-142.	3.6	38
16	Design of a vibration-free platform: Stabilization of a beam mounted on bicycle model of a car. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2018, 232, 4113-4127.	1.1	0
17	Subsurface stresses in graded coatings subjected to frictional contact with heat generation. <i>Journal of Thermal Stresses</i> , 2017, 40, 517-534.	1.1	27
18	On the analytical and finite element solution of plane contact problem of a rigid cylindrical punch sliding over a functionally graded orthotropic medium. <i>International Journal of Mechanical Sciences</i> , 2017, 120, 12-29.	3.6	49

#	ARTICLE	IF	CITATIONS
19	Analysis of frictional contacts with heat generation considering temperature dependent properties. International Journal of Mechanical Sciences, 2015, 101-102, 59-69.	3.6	14
20	Computational Methods for Inclined Cracks in Orthotropic Functionally Graded Materials Under Thermal Stresses. Journal of Thermal Stresses, 2013, 36, 1001-1026.	1.1	11
21	Frictional Hertzian contact between a laterally graded elastic medium and a rigid circular stamp. Acta Mechanica, 2013, 224, 1773-1789.	1.1	24
22	Hygrothermal Fracture Analysis of Orthotropic Materials Using $J_k$ -Integral. Journal of Thermal Stresses, 2012, 35, 596-613.	1.1	6
23	Three dimensional computational analysis of fatigue crack propagation in functionally graded materials. Computational Materials Science, 2012, 52, 246-252.	1.4	13
24	Periodic crack problem for a functionally graded half-plane an analytic solution. International Journal of Solids and Structures, 2011, 48, 3020-3031.	1.3	10
25	Computation of thermal fracture parameters for orthotropic functionally graded materials using $J_k$ -integral. International Journal of Solids and Structures, 2010, 47, 3480-3488.	1.3	32
26	Buckling of an orthotropic graded coating with an embedded crack bonded to a homogeneous substrate. International Journal of Solids and Structures, 2009, 46, 1890-1900.	1.3	4
27	Sliding frictional contact between a rigid punch and a laterally graded elastic medium. International Journal of Solids and Structures, 2009, 46, 4038-4053.	1.3	66
28	Computation of Thermal Fracture Parameters for Inclined Cracks in Functionally Graded Materials Using $J_k$ -Integral. Journal of Thermal Stresses, 2009, 32, 530-556.	1.1	12
29	Performance analysis of TRISO coated fuel particles with kernel migration. Journal of Nuclear Materials, 2008, 374, 168-177.	1.3	27
30	Delamination of Compressively Stressed Orthotropic Functionally Graded Material Coatings Under Thermal Loading. Journal of Applied Mechanics, Transactions ASME, 2008, 75, .	1.1	8
31	Fatigue Crack Growth Analysis Models for Functionally Graded Materials. AIP Conference Proceedings, 2008, , .	0.3	0
32	Three Dimensional Analysis of Periodic Cracking in FGM Coatings under Thermal Stresses. AIP Conference Proceedings, 2008, , .	0.3	2
33	Mixed-mode fracture analysis of orthotropic functionally graded materials under mechanical and thermal loads. International Journal of Solids and Structures, 2007, 44, 7816-7840.	1.3	67
34	An Equivalent Domain Integral Method for Fracture Analysis of Functionally Graded Materials Under Thermal Stresses. Journal of Thermal Stresses, 2006, 29, 371-397.	1.1	26
35	Mxed-Mode Fracture Analyss of Orthotropic Functionally Graded Materials. , 2006, , 1177-1178.		0
36	Three dimensional fracture analysis of FGM coatings under thermomechanical loading. International Journal of Fracture, 2005, 132, 371-397.	1.1	81

#	ARTICLE	IF	CITATIONS
37	Residual Stresses and Distortion in Boiler Tube Panels With Welded Overlay Cladding. Journal of Pressure Vessel Technology, Transactions of the ASME, 2004, 126, 426-431.	0.4	3
38	Interface crack problems in graded orthotropic media: Analytical and computational approaches. International Journal of Fracture, 2004, 130, 471-496.	1.1	40
39	EDGE CRACK PROBLEMS IN HOMOGENOUS AND FUNCTIONALLY GRADED MATERIAL THERMAL BARRIER COATINGS UNDER UNIFORM THERMAL LOADING. Journal of Thermal Stresses, 2004, 27, 311-329.	1.1	40
40	Three Dimensional Modeling of Inclined Surface Cracks in FGM Coatings. Materials Science Forum, 0, 631-632, 109-114.	0.3	3
41	Free Vibration Analysis of a Functionally Graded Micro-Beam with Tapered Cross Section. Gazi Üniversitesi Fen Bilimleri Dergisi, 0, , .	0.2	2