

Atefeh Karimzadeh

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

496
citations

759233

12
h-index

677142

22
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26
all docs

26
docs citations

26
times ranked

513
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of mechanical and tribological properties of bone cement by nano-indentation and nano-scratch experiments. <i>Polymer Testing</i> , 2012, 31, 828-833.	4.8	64
2	Finite element simulation of nano-indentation experiment on aluminum 1100. <i>Computational Materials Science</i> , 2014, 81, 595-600.	3.0	52
3	An Energy-Based Concept for Yielding of Multidirectional FRP Composite Structures Using a Mesoscale Lamina Damage Model. <i>Polymers</i> , 2020, 12, 157.	4.5	48
4	Assessment of Nano-Indentation Method in Mechanical Characterization of Heterogeneous Nanocomposite Materials Using Experimental and Computational Approaches. <i>Scientific Reports</i> , 2019, 9, 15763.	3.3	46
5	Effects of temperature change and beverage on mechanical and tribological properties of dental restorative composites. <i>Materials Science and Engineering C</i> , 2015, 54, 69-75.	7.3	44
6	Effect of sintering temperature on mechanical and tribological properties of hydroxyapatite measured by nanoindentation and nanoscratch experiments. <i>Ceramics International</i> , 2014, 40, 9159-9164.	4.8	43
7	Effect of Stacking Sequence on Mechanical Properties and Moisture Absorption Characteristic of Hybrid PALF/Glass Fiber Composites. <i>Fibers and Polymers</i> , 2020, 21, 1583-1593.	2.1	30
8	Nano-Level Damage Characterization of Graphene/Polymer Cohesive Interface under Tensile Separation. <i>Polymers</i> , 2019, 11, 1435.	4.5	28
9	Effects of Sample and Indenter Configurations of Nanoindentation Experiment on the Mechanical Behavior and Properties of Ductile Materials. <i>Metals</i> , 2018, 8, 421.	2.3	21
10	Nano-mechanical properties and microstructure of UFG brass tubes processed by parallel tubular channel angular pressing. <i>Metals and Materials International</i> , 2016, 22, 1098-1107.	3.4	19
11	Determination of Fracture Toughness of Bone Cement by Nano-Indentation Test. <i>International Journal of Fracture</i> , 2012, 175, 193-198.	2.2	18
12	Linear-Nonlinear Stiffness Responses of Carbon Fiber-Reinforced Polymer Composite Materials and Structures: A Numerical Study. <i>Polymers</i> , 2021, 13, 344.	4.5	16
13	Nano-Indentation Measurement of Fracture Toughness of Dental Enamel. <i>International Journal of Fracture</i> , 2013, 183, 113-118.	2.2	11
14	Assessment of Compressive Mechanical Behavior of Bis-GMA Polymer Using Hyperelastic Models. <i>Polymers</i> , 2019, 11, 1571.	4.5	11
15	Mechanical Properties of a Dental Nano-Composite in Moist Media Determined by Nano-Scale Measurement. <i>International Journal of Materials Mechanics and Manufacturing</i> , 2014, , 67-72.	0.2	10
16	Bond strength of a nano-composite used for bonding ceramic orthodontic brackets. <i>Materials & Design</i> , 2013, 51, 902-906.	5.1	8
17	Effects of a Nano-composite Adhesive on Mechanical Properties of Tooth Enamel After Removing Orthodontics Bracket – an Experimental Study Using Nano-indentation Test. <i>Experimental Mechanics</i> , 2015, 55, 1769-1777.	2.0	8
18	Investigation on the Curvature Correction Factor of Extension Spring. <i>Materials</i> , 2020, 13, 4199.	2.9	4

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19	Mechanical Properties of Biomaterials Determined by Nano-Indentation and Nano-Scratch Tests. Solid Mechanics and Its Applications, 2014, , 189-207.	0.2	3
20	Effect of Dental Restorative Material Type and Shade on Characteristics of Two-Layer Dental Composite Systems. Latin American Journal of Solids and Structures, 2016, 13, 1851-1865.	1.0	3
21	Tribological Properties of Dental Enamel Before and After Orthodontic Bracket Bonding-Debonding by Nano-Scratch Test. Journal of Mechanics, 2019, 35, 279-287.	1.4	3
22	Effects of particle distribution and calculation method on results of nano-indentation technique in heterogeneous nanocomposites-experimental and numerical approaches. International Journal of Solids and Structures, 2021, 225, 111054.	2.7	2
23	Damage characterization of dental nanocomposite adhesive in orthodontic treatment applications. International Journal of Damage Mechanics, 0, , 105678952210880.	4.2	0