

Bin Gu

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

180
citations

1040056

9
h-index

1125743

13
g-index

20
all docs

20
docs citations

20
times ranked

242
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved energy harvesting capability of poly(vinylidene fluoride) films modified by reduced graphene oxide. <i>Journal of Intelligent Material Systems and Structures</i> , 2014, 25, 1813-1824.	2.5	35
2	Propagation of Love waves with surface effects in an electrically-shorted piezoelectric nanofilm on a half-space elastic substrate. <i>Ultrasonics</i> , 2016, 66, 65-71.	3.9	26
3	Fracture toughness of laminates reinforced by piezoelectric z-pins. <i>Theoretical and Applied Fracture Mechanics</i> , 2015, 77, 35-40.	4.7	12
4	Gas migration in the reservoirs of ultra-low porosity and permeability based on an improved apparent permeability model. <i>Journal of Petroleum Science and Engineering</i> , 2020, 185, 106614.	4.2	12
5	Fracture mechanics analysis of the effects of temperature and material mismatch on the Smart-Cut® technology. <i>Engineering Fracture Mechanics</i> , 2008, 75, 4996-5006.	4.3	11
6	Surface effects on frequency dispersion characteristics of Lamb waves in a nanoplate. <i>Thin Solid Films</i> , 2020, 697, 137831.	1.8	11
7	Fracture mechanics analysis on Smart-Cut® technology. Part 1: Effects of stiffening wafer and defect interaction. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2009, 25, 73-81.	3.4	10
8	Molecular Dynamics Simulation on Hydrogen Ion Implantation Process in Smart-Cut Technology. <i>Acta Mechanica Solida Sinica</i> , 2016, 29, 111-119.	1.9	10
9	Facile fabrication of hydrophobic octadecylamine-functionalized polyurethane foam for oil spill cleanup. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2016, 53, 196-200.	2.2	9
10	Shear horizontal wave dispersion in nanolayers with surface effects and determination of surface elastic constants. <i>Thin Solid Films</i> , 2018, 645, 134-138.	1.8	9
11	Merging of a chemical reaction with microbial metabolism via inverse phase transfer catalysis for efficient production of red Monascus pigments. <i>Reaction Chemistry and Engineering</i> , 2019, 4, 1447-1458.	3.7	7
12	Molecular dynamics simulations of thermal expansion properties of single layer graphene sheets. <i>Molecular Simulation</i> , 2018, 44, 34-39.	2.0	6
13	A theoretical model on piezoelectric fibre pullout with electric input. <i>Engineering Fracture Mechanics</i> , 2006, 73, 2053-2066.	4.3	5
14	Frequency dispersion of love waves in a piezoelectric nanofilm bonded on a semi-infinite elastic substrate. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , 2015, 28, 1157-1162.	3.7	5
15	Fracture mechanics analysis on Smart-Cut® technology. Part 2: Effect of bonding flaws. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2009, 25, 197-203.	3.4	4
16	Influence of Considering the Sorption Effect in the Betti-Maxwell Reciprocal Theorem on Gas Transport Capacity in Unconventional Reservoirs. <i>Transport in Porous Media</i> , 2021, 137, 451-469.	2.6	3
17	Effect of Input Electric Field on Fatigue Degradation of Piezoelectric Fibre Bridging Force. <i>Key Engineering Materials</i> , 2007, 334-335, 593-596.	0.4	2
18	The Effect of Bonding Flaws on the Splitting Process in the Smart-Cut Technology. <i>Materials Science Forum</i> , 0, 762, 437-444.	0.3	1

#	ARTICLE	IF	CITATIONS
19	Molecular dynamics study on splitting of hydrogen-implanted silicon in Smart-Cut [®] technology. Journal of Semiconductors, 2015, 36, 036003.	3.7	1
20	Surface instability and wrinkling pattern evolution on a fluid-supported inhomogeneous film. European Physical Journal Plus, 2017, 132, 1.	2.6	1