

Lei Yang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4941782/publications.pdf>

Version: 2024-02-01

27
papers

916
citations

516710

16
h-index

552781

26
g-index

27
all docs

27
docs citations

27
times ranked

808
citing authors

#	ARTICLE	IF	CITATIONS
1	Dislocation-Induced Energy Dissipation in a Tunable Trilayer Graphene Resonator. Journal of Physical Chemistry C, 2022, 126, 10449-10458.	3.1	1
2	Structural Damage Identification Based on Integrated Utilization of Inverse Finite Element Method and Pseudo-Excitation Approach. Sensors, 2021, 21, 606.	3.8	7
3	Ultra-fast charging in aluminum-ion batteries: electric double layers on active anode. Nature Communications, 2021, 12, 820.	12.8	62
4	Self-Organized Colloids Thermodynamically Weaken the Effect of Salt on Methane Hydrate Formation. ACS Sustainable Chemistry and Engineering, 2021, 9, 11323-11330.	6.7	9
5	Pressure pulse wave attenuation model coupling waveform distortion and viscous dissipation for blockage detection in pipeline. Energy Science and Engineering, 2020, 8, 260-265.	4.0	11
6	In-situ observation for natural gas hydrate in porous medium: Water performance and formation characteristic. Magnetic Resonance Imaging, 2020, 65, 166-174.	1.8	23
7	Molecular dynamics simulation on the formation and development of interlayer dislocations in bilayer graphene. Nanotechnology, 2020, 31, 125704.	2.6	5
8	Ionogel Microphones Detect Underwater Sound with Directivity and Exceptional Stability. ACS Applied Electronic Materials, 2020, 2, 1295-1303.	4.3	6
9	Reconstruction of full-field complex deformed shapes of thin-walled special-section beam structures based on in situ strain measurement. Advances in Structural Engineering, 2020, 23, 3335-3350.	2.4	12
10	Passive wireless sensors fabricated by spark plasma sintering for ultra-high temperature measurements. Smart Materials and Structures, 2020, 29, 115006.	3.5	2
11	Analyzing spatially and temporally visualized formation behavior of methane hydrate in unconsolidated porous media. Magnetic Resonance Imaging, 2019, 61, 224-230.	1.8	23
12	Prediction on residual stresses of carbon/epoxy composite at cryogenic temperature. Polymer Composites, 2019, 40, 3412-3420.	4.6	20
13	Integrated impedance and Lamb wave-based structural health monitoring strategy for long-term cycle-loaded composite structure. Structural Health Monitoring, 2018, 17, 763-776.	7.5	25
14	Effects of Gear-Shape Fibre on the Transverse Mechanical Properties of Unidirectional Composites: Virtual Material Design by Computational Micromechanics. Applied Composite Materials, 2017, 24, 1165-1178.	2.5	16
15	Hydrate-based heavy metal separation from aqueous solution. Scientific Reports, 2016, 6, 21389.	3.3	42
16	Effects of triangle-shape fiber on the transverse mechanical properties of unidirectional carbon fiber reinforced plastics. Composite Structures, 2016, 152, 617-625.	5.8	36
17	Guide waves-based multi-damage identification using a local probability-based diagnostic imaging method. Smart Materials and Structures, 2016, 25, 045009.	3.5	23
18	Microscopic damage mechanisms of fibre reinforced composite laminates subjected to low velocity impact. Computational Materials Science, 2016, 111, 148-156.	3.0	36

#	ARTICLE	IF	CITATIONS
19	Micromechanical modelling and simulation of unidirectional fibre-reinforced composite under shear loading. Journal of Reinforced Plastics and Composites, 2015, 34, 72-83.	3.1	53
20	A novel apparatus for <i>in situ</i> measurement of thermal conductivity of hydrate-bearing sediments. Review of Scientific Instruments, 2015, 86, 085110.	1.3	16
21	A new method for generating random fibre distributions for fibre reinforced composites. Composites Science and Technology, 2013, 76, 14-20.	7.8	167
22	Experimental and numerical investigation of aramid fibre reinforced laminates subjected to low velocity impact. Polymer Testing, 2013, 32, 1163-1173.	4.8	45
23	Effects of inter-fiber spacing and thermal residual stress on transverse failure of fiber-reinforced polymer matrix composites. Computational Materials Science, 2013, 68, 255-262.	3.0	64
24	Compression strength of stitched foam-core sandwich composites with impact induced damage. Journal of Reinforced Plastics and Composites, 2012, 31, 1236-1246.	3.1	16
25	Prediction on macroscopic elastic properties of interphase-contained long-fiber-reinforced composites and multiple nonlinear regression analysis. Journal of Reinforced Plastics and Composites, 2012, 31, 1143-1157.	3.1	11
26	Microscopic failure mechanisms of fiber-reinforced polymer composites under transverse tension and compression. Composites Science and Technology, 2012, 72, 1818-1825.	7.8	185
27	Construction of reversible network-based the anti-sequence of natural number pair. , 2010, , .		0