

Byeongjin Park

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

1,246
citations

471509

17
h-index

454955

30
g-index

37
all docs

37
docs citations

37
times ranked

1226
citing authors

#	ARTICLE	IF	CITATIONS
1	Absorption-dominant, low reflection EMI shielding materials with integrated metal mesh/TPU/CIP composite. <i>Chemical Engineering Journal</i> , 2022, 428, 131167.	12.7	95
2	Electromagnetic wave shielding flexible films with near-zero reflection in the 5G frequency band. <i>Journal of Materials Chemistry A</i> , 2022, 10, 4446-4455.	10.3	27
3	Electromagnetic interference shielding films with enhanced absorption using double percolation of poly (methyl methacrylate) beads and CIP/MWCNT/TPU composite channel. <i>Materials Today Communications</i> , 2022, 31, 103401.	1.9	6
4	Dispersion Mechanism and Mechanical Properties of SiC Reinforcement in Aluminum Matrix Composite through Stir- and Die-Casting Processes. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 952.	2.5	8
5	High-throughput thermal plasma synthesis of Fe _x Co _{1-x} nano-chained particles with unusually high permeability and their electromagnetic wave absorption properties at high frequency (1–26 GHz). <i>Nanoscale</i> , 2021, 13, 12004-12016.	5.6	10
6	Mechanical and Thermal Neutron Absorbing Properties of B4C/Aluminum Alloy Composites Fabricated by Stir Casting and Hot Rolling Process. <i>Metals</i> , 2021, 11, 413.	2.3	16
7	Mechanical Properties and Epoxy Resin Infiltration Behavior of Carbon-Nanotube-Fiber-Based Single-Fiber Composites. <i>Materials</i> , 2021, 14, 106.	2.9	10
8	Laser-Based Structural Health Monitoring. , 2021, , 1-14.		0
9	Automated quantification of reinforcement dispersion in B4C/Al metal matrix composites. <i>Composites Part B: Engineering</i> , 2020, 181, 107584.	12.0	32
10	Sensitivity Improvement of Stretchable Strain Sensors by the Internal and External Structural Designs for Strain Redistribution. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 50803-50811.	8.0	21
11	Feasibility of as-prepared reticulated porous barium titanate without additional radar-absorbing material coating in potential military applications. <i>Journal of the Australian Ceramic Society</i> , 2020, 56, 1481-1491.	1.9	7
12	Study on effect of laser-induced ablation for Lamb waves in a thin plate. <i>Ultrasonics</i> , 2019, 91, 121-128.	3.9	17
13	Preparation of magnetic metal and graphene hybrids with tunable morphological, structural and magnetic properties. <i>Applied Surface Science</i> , 2019, 478, 733-736.	6.1	6
14	Fatigue crack detection in rotating steel shafts using noncontact ultrasonic modulation measurements. <i>Engineering Structures</i> , 2019, 196, 109293.	5.3	21
15	Highly stretchable multi-walled carbon nanotube/thermoplastic polyurethane composite fibers for ultrasensitive, wearable strain sensors. <i>Nanoscale</i> , 2019, 11, 5884-5890.	5.6	162
16	Magnetic and dispersible FeCoNi-graphene film produced without heat treatment for electromagnetic wave absorption. <i>Chemical Engineering Journal</i> , 2019, 361, 1182-1189.	12.7	144
17	Noncontact Nonlinear Ultrasonic Wave Modulation for Fatigue Crack and Delamination Detection. , 2019, , 661-697.		1
18	Underground Object Classification for Urban Roads Using Instantaneous Phase Analysis of Ground-Penetrating Radar (GPR) Data. <i>Remote Sensing</i> , 2018, 10, 1417.	4.0	40

#	ARTICLE	IF	CITATIONS
19	Accelerated defect visualization of microelectronic systems using binary search with fixed pitch-catch distance laser ultrasonic scanning. AIP Conference Proceedings, 2018, , .	0.4	0
20	Delamination localization in wind turbine blades based on adaptive time-of-flight analysis of noncontact laser ultrasonic signals. Nondestructive Testing and Evaluation, 2017, 32, 1-20.	2.1	38
21	Reconstruction of laser ultrasonic wavefield images from reduced sparse measurements using compressed sensing aided super-resolution. AIP Conference Proceedings, 2017, , .	0.4	4
22	Accelerated noncontact laser ultrasonic scanning for damage detection using combined binary search and compressed sensing. Mechanical Systems and Signal Processing, 2017, 92, 315-333.	8.0	32
23	Accelerated damage visualization using binary search with fixed distance laser ultrasonic scanning. , 2017, , .		0
24	Accelerated damage visualization using binary search with fixed pitch-catch distance laser ultrasonic scanning. Smart Materials and Structures, 2017, 26, 075005.	3.5	6
25	A Reference-Free and Non-Contact Method for Detecting and Imaging Damage in Adhesive-Bonded Structures Using Air-Coupled Ultrasonic Transducers. Materials, 2017, 10, 1402.	2.9	21
26	Baseline-free damage visualization using noncontact laser nonlinear ultrasonics and state space geometrical changes. Smart Materials and Structures, 2015, 24, 065036.	3.5	35
27	Detection of fatigue crack on a rotating steel shaft using air-coupled nonlinear ultrasonic modulation. , 2015, , .		1
28	Noncontact fatigue crack visualization using nonlinear ultrasonic modulation. NDT and E International, 2015, 73, 8-14.	3.7	48
29	Laser-Based Structural Health Monitoring. , 2015, , 1273-1286.		1
30	Visualization of hidden delamination and debonding in composites through noncontact laser ultrasonic scanning. Composites Science and Technology, 2014, 100, 10-18.	7.8	171
31	Non-contact visualization of nonlinear ultrasonic modulation for reference-free fatigue crack detection. Proceedings of SPIE, 2014, , .	0.8	2
32	Complete noncontact laser ultrasonic imaging for automated crack visualization in a plate. Smart Materials and Structures, 2013, 22, 025022.	3.5	139
33	Laser ultrasonic imaging and damage detection for a rotating structure. Structural Health Monitoring, 2013, 12, 494-506.	7.5	43
34	Laser ultrasonic imaging of a rotating blade. Proceedings of SPIE, 2012, , .	0.8	1
35	Impact localization in complex structures using laser-based time reversal. Structural Health Monitoring, 2012, 11, 577-588.	7.5	77
36	Influence of intermolecular interactions on molecular geometry and physical quantities in electrolyte systems. Molecular Physics, 0, , 1-6.	1.7	1