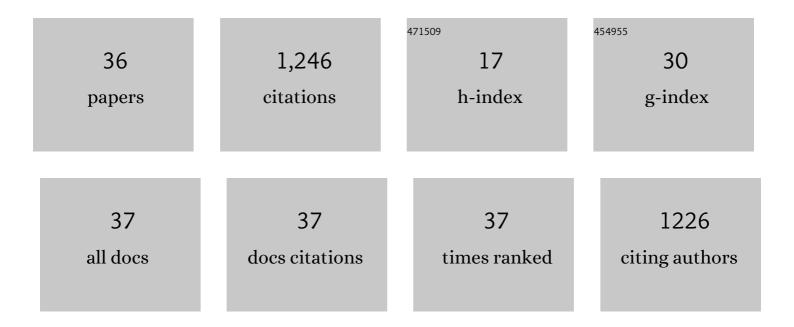
Byeongjin Park

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Visualization of hidden delamination and debonding in composites through noncontact laser ultrasonic scanning. Composites Science and Technology, 2014, 100, 10-18.	7.8	171
2	Highly stretchable multi-walled carbon nanotube/thermoplastic polyurethane composite fibers for ultrasensitive, wearable strain sensors. Nanoscale, 2019, 11, 5884-5890.	5.6	162
3	Magnetic and dispersible FeCoNi-graphene film produced without heat treatment for electromagnetic wave absorption. Chemical Engineering Journal, 2019, 361, 1182-1189.	12.7	144
4	Complete noncontact laser ultrasonic imaging for automated crack visualization in a plate. Smart Materials and Structures, 2013, 22, 025022.	3.5	139
5	Absorption-dominant, low reflection EMI shielding materials with integrated metal mesh/TPU/CIP composite. Chemical Engineering Journal, 2022, 428, 131167.	12.7	95
6	Impact localization in complex structures using laser-based time reversal. Structural Health Monitoring, 2012, 11, 577-588.	7.5	77
7	Noncontact fatigue crack visualization using nonlinear ultrasonic modulation. NDT and E International, 2015, 73, 8-14.	3.7	48
8	Laser ultrasonic imaging and damage detection for a rotating structure. Structural Health Monitoring, 2013, 12, 494-506.	7.5	43
9	Underground Object Classification for Urban Roads Using Instantaneous Phase Analysis of Ground-Penetrating Radar (GPR) Data. Remote Sensing, 2018, 10, 1417.	4.0	40
10	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
11	Baseline-free damage visualization using noncontact laser nonlinear ultrasonics and state space geometrical changes. Smart Materials and Structures, 2015, 24, 065036.	3.5	35
12	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
13	Automated quantification of reinforcement dispersion in B4C/Al metal matrix composites. Composites Part B: Engineering, 2020, 181, 107584.	12.0	32
14	Electromagnetic wave shielding flexible films with near-zero reflection in the 5G frequency band. Journal of Materials Chemistry A, 2022, 10, 4446-4455.	10.3	27
15	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
16	Fatigue crack detection in rotating steel shafts using noncontact ultrasonic modulation measurements. Engineering Structures, 2019, 196, 109293.	5.3	21
17	Sensitivity Improvement of Stretchable Strain Sensors by the Internal and External Structural Designs for Strain Redistribution. ACS Applied Materials & Interfaces, 2020, 12, 50803-50811.	8.0	21
18	Study on effect of laser-induced ablation for Lamb waves in a thin plate. Ultrasonics, 2019, 91, 121-128.	3.9	17

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19Mechanical and Thermal Neutron Absorbing Properties of B4C/Aluminum Alloy Composites Fabricated by Str Casting and Hot Rolling Process. Metals, 2021, 11, 413.1620High-throughput thermal plasma synthesis of Fe (sub> (i) × (i) × (j) ×	IONS
20nano-chained particles with unusually high permeability and their electromagnetic wave absorption properties at high frequency (1â€"26 CH2). Nanoscale, 2021, 13, 12004-12016.5.61021Mechanical Properties and Epoxy Resin Infiltration Behavior of Carbon-Nanotube-Fiber-Based Single-Fiber Composites. Materials, 2021, 14, 106.2.91022Dispersion Mechanism and Mechanical Properties of SiC Reinforcement in Aluminum Matrix Composite through Stir- and Die-Casting Processes. Applied Sciences (Switzerland), 2021, 11, 952.2.5823Feasibility of as-prepared reticulated porous barium titanate without additional radar-absorbing material coating in potential military applications. Journal of the Australian Ceramic Society, 2020, 56, 1481-1491.1.9724Accelerated damage visualization using binary search with fixed pitch-catch distance laser ultrasonic scanning. Smart Materials and Structures, 2017, 26, 075005.3.5625Preparation of magnetic metal and graphene hybrids with tunable morphological, structural and magnetic properties. Applied Surface Science, 2019, 478, 733-736.6.1626Electromagnetic interference shielding films with enhanced absorption using double percolation of poly (methyl methacrylate) beads and CIP/MWCNT/TPU composite channel. Materials Today Communications, 2022, 31, 103401.1.9627Reconstruction of laser ultrasonic wavefield images from reduced sparse measurements using compressed sensing aided super-resolution. AIP Conference Proceedings, 2017,0.44	
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26poly (methyl methacrylate) beads and CIP/MWCNT/TPU composite channel. Materials Today1.9627Reconstruction of laser ultrasonic wavefield images from reduced sparse measurements using compressed sensing aided super-resolution. AIP Conference Proceedings, 2017, , .0.44	
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