

Byungseok Yoo

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

190
citations

1307594

7
h-index

1058476

14
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25
all docs

25
docs citations

25
times ranked

169
citing authors

#	ARTICLE	IF	CITATIONS
1	Piezoelectric-paint-based two-dimensional phased sensor arrays for structural health monitoring of thin panels. <i>Smart Materials and Structures</i> , 2010, 19, 075017.	3.5	60
2	Directional magnetostrictive patch transducer based on Galfenol™s anisotropic magnetostriction feature. <i>Smart Materials and Structures</i> , 2014, 23, 095035.	3.5	35
3	Ultrasonic guided wave sensing performance of a magnetostrictive transducer using Galfenol flakes-polymer composite patches. <i>Journal of Applied Physics</i> , 2015, 117, 17A916.	2.5	16
4	Hand Gesture Recognition Using EGaln-Silicone Soft Sensors. <i>Sensors</i> , 2021, 21, 3204.	3.8	15
5	Evaluation of Magnetorheological Elastomers With Oriented Fe-Ga Alloy Flakes for Force Sensing Applications. <i>IEEE Transactions on Magnetics</i> , 2016, 52, 1-4.	2.1	11
6	Influence of Particle Size and Filling Factor of Galfenol Flakes on Sensing Performance of Magnetostrictive Composite Transducers. <i>IEEE Transactions on Magnetics</i> , 2015, 51, 1-4.	2.1	9
7	Magnetic shape anisotropy effect on sensing performance and directional sensitivity in magnetostrictive nickel patch transducer. <i>Journal of Intelligent Material Systems and Structures</i> , 2016, 27, 1075-1091.	2.5	9
8	Guided wave phased array sensor based on a Galfenol flake-epoxy composite patch with unique circular comb pattern. <i>AIP Advances</i> , 2019, 9, 035022.	1.3	5
9	Piezoceramic-based 2D Spiral Array and Multiple Actuators for Structural Health Monitoring: Thin Isotropic Panel with Straight Boundaries. <i>Journal of Intelligent Material Systems and Structures</i> , 2011, 22, 1327-1343.	2.5	4
10	Phased Array Beamsteering in Composite Laminates for Guided Wave Structural Health Monitoring. , 2013, , .		4
11	Enhancement of directional sensitivity of magnetostrictive phased array sensor using a circular comb-shaped nickel patch. <i>AIP Advances</i> , 2017, 7, 056415.	1.3	4
12	Investigation of the use of uniaxial comb-shaped Galfenol patches for a guided wave-based magnetostrictive phased array sensor. <i>AIP Advances</i> , 2018, 8, 056641.	1.3	4
13	Development of two-dimensional interdigitated center of pressure sensor. <i>Smart Materials and Structures</i> , 2017, 26, 125013.	3.5	3
14	Laser Direct Structured 3D Circuits on Silicone. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 18854-18865.	8.0	3
15	Guided Lamb Wave Interrogation of a Curved Composite Plate [0/90] Using the Hilbert-Huang Transform Approach. , 2008, , .		2
16	2-D Directional Phased Array Using Piezoelectric Paint to Detect Damages in Isotropic Plates. , 2009, , .		2
17	Piezoelectric Paint based 2-D Sensor Array for Detecting Damage in Aluminum Plate. , 2010, , .		1
18	Galfenol-based directional magnetostrictive patch transducer for guided Lamb wave techniques. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
19	A magnetostrictive phased array sensor using a nickel comb patch for guided Lamb wave-based damage detection. , 2017, , .		1
20	Static and Dynamic Magneto-Elastic Sensing Properties of Fe-Al Alloy Powder-Epoxy Composite Patches. Magnetism, 2022, 2, 105-116.	1.5	1
21	Corrosion Damage Monitoring Using Guided Lamb Waves. , 2012, , .		0
22	Ultrasonic Structural Health Monitoring to Assess the Integrity of Spinal Growing Rods InÂVitro. Spine Deformity, 2016, 4, 65-69.	1.5	0
23	External Loading Effects on Guided Wave Magnetostrictive Sensor Using a Surface-Bonded Nickel Patch. IEEE Transactions on Magnetics, 2019, 55, 1-5.	2.1	0
24	Multi-Location Actuators and Piezoceramic Based 2-D Spiral Array for Structural Health Monitoring: Thin Isotropic Panels. , 2010, , .		0
25	Structural health monitoring of a composite F/A-18 wing section using a sparse piezoelectric transducer array. , 2018, , .		0