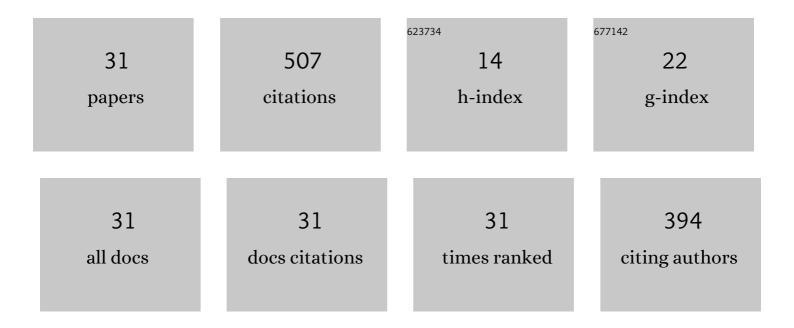
## Shirsendu Sikdar

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Identification of disbond and high density core region in a honeycomb composite sandwich structure using ultrasonic guided waves. Composite Structures, 2016, 152, 568-578.	5.8	61
2	Acoustic emission data based deep learning approach for classification and detection of damage-sources in a composite panel. Composites Part B: Engineering, 2022, 228, 109450.	12.0	57
3	Damage-induced acoustic emission source monitoring in a honeycomb sandwich composite structure. Composites Part B: Engineering, 2019, 158, 179-188.	12.0	47
4	Online detection of barely visible low-speed impact damage in 3D-core sandwich composite structure. Composite Structures, 2018, 185, 646-655.	5.8	42
5	Effects of debonding on Lamb wave propagation in a bonded composite structure under variable temperature conditions. Smart Materials and Structures, 2019, 28, 015021.	3.5	30
6	Damage-induced acoustic emission source identification in an advanced sandwich composite structure. Composite Structures, 2018, 202, 860-866.	5.8	27
7	Ultrasonic Lamb waveâ€based debonding monitoring of advanced honeycomb sandwich composite structures. Strain, 2019, 55, e12302.	2.4	23
8	Ultrasonic guided wave propagation and disbond identification in a honeycomb composite sandwich structure using bonded piezoelectric wafer transducers. Journal of Intelligent Material Systems and Structures, 2016, 27, 1767-1779.	2.5	21
9	Nondestructive analysis of core-junction and joint-debond effects in advanced composite structure. Polymer Testing, 2019, 73, 31-38.	4.8	19
10	Guided wave propagation in a honeycomb composite sandwich structure in presence of a high density core. Ultrasonics, 2016, 71, 86-97.	3.9	18
11	An optimized data fusion strategy for structural damage assessment using electromechanical impedance. Smart Materials and Structures, 2021, 30, 035012.	3.5	18
12	A deepâ€learning approach for health monitoring of a steel frame structure with bolted connections. Structural Control and Health Monitoring, 2022, 29, .	4.0	17
13	Guided wave based nondestructive analysis of localized inhomogeneity effects in an advanced sandwich composite structure. Composites Part B: Engineering, 2019, 176, 107195.	12.0	16
14	Bag of visual words based machine learning framework for disbond characterisation in composite sandwich structures using guided waves. Smart Materials and Structures, 2021, 30, 075016.	3.5	15
15	Nonlinear elastic wave propagation and breathing-debond identification in a smart composite structure. Composites Part B: Engineering, 2020, 200, 108304.	12.0	14
16	Ultrasonic Guided Wave Signal Based Nondestructive Testing of a Bonded Composite Structure Using Piezoelectric Transducers. Signals, 2021, 2, 13-24.	1.9	13
17	Nondestructive Analysis of Debonds in a Composite Structure under Variable Temperature Conditions. Sensors, 2019, 19, 3454.	3.8	12
18	Multi step structural health monitoring approaches in debonding assessment in a sandwich honeycomb composite structure using ultrasonic guided waves. Measurement: Journal of the International Measurement Confederation, 2022, 194, 111057.	5.0	12

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#	Article	IF	CITATIONS
19	Multi-level nondestructive analysis of joint-debond effects in sandwich composite structure. Polymer Testing, 2019, 80, 106149.	4.8	11
20	Acoustic emission based damage localization in composites structures using Bayesian identification. Journal of Physics: Conference Series, 2017, 842, 012081.	0.4	9
21	Electromechanical impedance based debond localisation in a composite sandwich structure. Journal of Intelligent Material Systems and Structures, 2022, 33, 1487-1496.	2.5	7
22	Ultrasonic guided wave-based debond identification in a GFRP plate with L-stiffener. Smart Materials and Structures, 2022, 31, 015023.	3.5	7
23	A Generic Framework for Application of Machine Learning in Acoustic Emission-Based Damage Identification. Lecture Notes in Mechanical Engineering, 2020, , 244-262.	0.4	6
24	Low-velocity impact source localization in a composite sandwich structure using a broadband piezoelectric sensor network. Composite Structures, 2022, 291, 115619.	5.8	4
25	Study of disbond effects in a jointed composite structure under variable ambient temperatures. , 2018, , .		1
26	Damage Assessment for a Sandwich-Like Panel Using Experimental and Numerical Analysis of Guided Waves. Lecture Notes in Mechanical Engineering, 2021, , 73-84.	0.4	0
27	Guided Wave Propagation and Breathing-Debond Localization in a Composite Structure. Lecture Notes in Civil Engineering, 2021, , 378-386.	0.4	0
28	Wave Propagation in a Honeycomb Composite Sandwich Structure in the Presence of High-Density Core Using Bonded PZT-Sensors. Mechanisms and Machine Science, 2015, , 619-628.	0.5	0
29	Ultrasonic guided wave propagation in a repaired stiffened composite panel. , 2019, , .		0
30	Guided Wave Propagation Based Analysis of Non-linear Debonding Effects in a Composite Structure. , 0, , .		0
31	Numerical Simulation Techniques for Damage Response Analysis of Composite Structures. , 2021, , 85-100.		0