

# Abhinav Saxena

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10878643/publications.pdf>

Version: 2024-02-01

21  
papers

1,574  
citations

840776

11  
h-index

1199594

12  
g-index

21  
all docs

21  
docs citations

21  
times ranked

1268  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Bayesian framework for fatigue life prediction of composite laminates under co-existing matrix cracks and delamination. <i>Composite Structures</i> , 2018, 187, 58-70.	5.8	41
2	An investigation of strain energy release rate models for real-time prognosis of fiber-reinforced laminates. <i>Composite Structures</i> , 2017, 165, 99-114.	5.8	11
3	Condition-based prediction of time-dependent reliability in composites. <i>Reliability Engineering and System Safety</i> , 2015, 142, 134-147.	8.9	57
4	In-situ fatigue life prognosis for composite laminates based on stiffness degradation. <i>Composite Structures</i> , 2015, 132, 155-165.	5.8	89
5	Prognostic Health-Management System Development for Electromechanical Actuators. <i>Journal of Aerospace Information Systems</i> , 2015, 12, 329-344.	1.4	57
6	Probabilistic fatigue damage prognosis of lap joint using Bayesian updating. <i>Journal of Intelligent Material Systems and Structures</i> , 2015, 26, 965-979.	2.5	28
7	Integrated experimental and numerical investigation for fatigue damage diagnosis in composite plates. <i>Structural Health Monitoring</i> , 2014, 13, 537-547.	7.5	11
8	A novel Bayesian imaging method for probabilistic delamination detection of composite materials. <i>Smart Materials and Structures</i> , 2013, 22, 125019.	3.5	42
9	A multi-feature integration method for fatigue crack detection and crack length estimation in riveted lap joints using Lamb waves. <i>Smart Materials and Structures</i> , 2013, 22, 105007.	3.5	76
10	A knowledge-based system approach for sensor fault modeling, detection and mitigation. <i>Expert Systems With Applications</i> , 2012, 39, 10977-10989.	7.6	71
11	Experimental Validation of a Prognostic Health Management System for Electro-Mechanical Actuators. , 2011, , .		19
12	Distributed prognostic health management with gaussian process regression. , 2010, , .		39
13	Evaluating algorithm performance metrics tailored for prognostics. , 2009, , .		71
14	A diagnostic approach for electro-mechanical actuators in aerospace systems. , 2009, , .		94
15	Modeling, Detection, and Disambiguation of Sensor Faults for Aerospace Applications. <i>IEEE Sensors Journal</i> , 2009, 9, 1907-1917.	4.7	155
16	Prognostics in Battery Health Management. <i>IEEE Instrumentation and Measurement Magazine</i> , 2008, 11, 33-40.	1.6	415
17	Metrics for evaluating performance of prognostic techniques. , 2008, , .		245
18	Rolling element bearing feature extraction and anomaly detection based on vibration monitoring. , 2008, , .		37

#	ARTICLE	IF	CITATIONS
19	Simulation-based Design and Validation of Automated Contingency Management for Propulsion Systems. , 2007, , .		2
20	An approach to fault diagnosis of helicopter planetary gears. , 0, , .		12
21	Evaluation of Multiple Damage-Mode Models for Prognostics of Carbon Fiber-reinforced Polymers. , 0, , .		2