M Sunar

List of Publications by Year
in descending order

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30 papers	1,448 citations	686830 13 h-index	752256 20 g-index
30 all docs	30 docs citations	30 times ranked	802 citing authors

#	Article	IF	Citations
1	Piezoelectricity and Its Use in Disturbance Sensing and Control of Flexible Structures: A Survey. Applied Mechanics Reviews, 1994, 47, 113-123.	4.5	451
2	Vibration analysis of rotating machinery using timeâ€“frequency analysis and wavelet techniques. Mechanical Systems and Signal Processing, 2011, 25, 2083-2101.	4.4	250
3	Recent Advances in Sensing and Control of Flexible Structures Via Piezoelectric Materials Technology. Applied Mechanics Reviews, 1999, 52, 1-16.	4.5	210
4	Analysis of distributed thermopiezoelectric sensors and actuators inadvanced intelligent structures. AIAA Journal, 1993, 31, 1280-1286.	1.5	160
5	Finite Element Modeling of Thermopiezomagnetic Smart Structures. AIAA Journal, 2002, 40, 1846-1851.	1.5	79
6	Trust region methods for structural optimization using exact second order sensitivity. International Journal for Numerical Methods in Engineering, 1991, 32, 275-293.	1.5	43
7	Thermopiezoelectric Control Design. AIAA Journal, 1997, 35, 534-539.	1.5	38
8	Thermal and stress analysis of a sheet metal in welding. Journal of Materials Processing Technology, 2006, 172, 123-129.	3.1	36
9	Kinematics modeling of a 4-DOF robotic arm. , 2015, , .		35
10	Distributed modeling and actuator location for piezoelectric control systems. AIAA Journal, 1996, 34, 2209-2211.	1.5	29
11	Optimal Selection of Weighting Matrices in Integrated Design of Structures/Controls. AIAA Journal, 1993, 31, 714-720.	1.5	21
12	The Taguchi method for determining CO2 laser cut quality. Journal of Laser Applications, 1998, 10, 71-77.	0.8	19
13	Robust design of piezoelectric actuators for structural control. Computer Methods in Applied Mechanics and Engineering, 2001, 190, 6257-6270.	3.4	19
14	Dynamics and Control of a Robotic Arm Having Four Links. Arabian Journal for Science and Engineering, 2017, 42, 1841-1852.	1.7	17
15	Vibration measurement of a cantilever beam using root embedded piezoceramic sensor. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2008, 222, 147-161.	1.1	12
16	Vibration Control of Rotating Blades Using Root-Embedded Piezoelectric Materials. Arabian Journal for Science and Engineering, 2015, 40, 1487-1495.	1.1	11
17	Non-stationary vibration signal analysis of rotating machinery via time-frequency and wavelet techniques. , 2010, , .		9
18	Robust Design of Thermopiezoelectric Actuators. Journal of Guidance, Control, and Dynamics, 1998, 21, 521-523.	1.6	3

#	Article	IF	Citations
19	Sensing and Control of Thermally Induced Vibrations of Stationary Blades Using Piezoelectric Materials. Arabian Journal for Science and Engineering, 2018, 43, 1301-1311.	1.7	3
20	Substructural control design for serial flexible structures using the linear quadratic Gaussian method. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 1999, 213, 289-300.	0.7	1
21	Substructural Multiobjective Hâˆž Controller Design for Large Flexible Structures: A Divide-and-Conquer Approach Based on Linear Matrix Inequalities. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2005, 219, 319-334.	0.7	1
22	The Effect of Disk Location, Shaft Length and Imbalance on Fluid Induced Rotor Vibrations. Arabian Journal for Science and Engineering, 2011, 36, 903-918.	1.1	1
23	Investigation into first and second law efficiencies of solid state laser head: A case study. Journal of Laser Applications, 1997, 9, 215-220.	0.8	0
24	Title is missing!. Journal of Materials Science: Materials in Electronics, 1997, 8, 171-177.	1.1	0
25	Piezoelectromagnetic smart structures. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2004, 218, 27-37.	0.7	0
26	A substructural control technique by H/sub ∞/ method for nonlinear and fuzzy structures. , 0, , .		0
27	Magnetostrictive Actuator Modeling and Placement. Advanced Materials Research, 0, 83-86, 281-288.	0.3	0
28	Modeling of Functionally Graded Thermopiezoelectro-Magnetic Materials. Advanced Materials Research, 2012, 445, 487-491.	0.3	0
29	Modeling and Placement of Thermopiezoelectro-Magnetic Materials. Advanced Materials Research, 0, 445, 520-525.	0.3	0
30	New Approach for the Indirect Detection of Blade-to-Stator Rubbing in Turbo-Machinery Using Wavelet Techniques. , 2014, , .		0