Gerard M Coffignal

List of Publications by Year
in descending order

17 papers	232 citations	1162889 8 h-index	1058333 14 g-index
17 all docs	17 docs citations	17 times ranked	170 citing authors

#	Article	IF	Citations
1	Structural Damage Diagnosis Using Subspace Based Residual and Artificial Neural Networks. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 149-154.	0.4	1
2	Recursive modal parameter estimation using output-only subspace identification for structural health monitoring. , 2008, , .		5
3	Simulation du comportement dynamique d'un systÃ¨me usinantÂ: modÃ©lisation de l'interaction outil/matiÃ¨re en prÃ©sence d'une piÃ¨ce flexible. Mecanique Et Industries, 2008, 9, 117-124.	0.2	4
4	Application of a combined active control and fault detection scheme to an active composite flexible structure. Mechatronics, 2006, 16, 193-208.	2.0	18
5	A simple error indicator for meshfree methods based on natural neighbors. Computers and Structures, 2006, 84, 1301-1312.	2.4	14
6	Contribution of computational mechanics in numerical simulation of machining and blanking: State-of-the-Art. Archives of Computational Methods in Engineering, 2006, 13, 45-90.	6.0	14
7	Computational methods for accounting of structural uncertainties, applications to dynamic behavior prediction of piping systems. Structural Safety, 2002, 24, 29-50.	2.8	6
8	BOUNDARY CONDITION ERROR FOR PARAMETRIC UPDATING OF IN-OPERATION SYSTEMSâ€"APPLICATION TO PIPING SYSTEMS. Journal of Sound and Vibration, 2001, 241, 373-399.	2.1	6
9	A METHODOLOGY FOR DETERMINATION OF PIEZOELECTRIC ACTUATOR AND SENSOR LOCATION ON BEAM STRUCTURES. Journal of Sound and Vibration, 2001, 243, 861-882.	2.1	75
10	Active control of beam structures with piezoelectric actuators and sensors: modeling and simulation. Smart Materials and Structures, 2001, 10, 404-408.	1.8	39
11	BOUNDARY CONDITION IDENTIFICATION USING CONDENSATION AND INVERSION â€" APPLICATION TO OPERATING PIPING NETWORK. Journal of Sound and Vibration, 2000, 233, 495-514.	2.1	13
12	Model reduction for active vibration control. , 2000, 3985, 780.		1
13	Error through the constitutive relation for beam and C0 plate finite elements: static and vibration analyses. Computer Methods in Applied Mechanics and Engineering, 1999, 176, 81-109.	3.4	6
14	Error estimation through the constitutive relation for Reissnerâ€"Mindlin plate bending finite elements. Computers and Structures, 1999, 73, 615-627.	2.4	8
15	Finite-element method analysis of freestanding microrings for thin-film tensile strain measurements. Journal of Micromechanics and Microengineering, 1997, 7, 280-284.	1.5	9
16	<title>Characterization of residual stress in metallic films on silicon with micromechanical devices</title>. Proceedings of SPIE, 1996, 2879, 126.	0.8	13
17	A New Experimental Setup and Method to Analyze Cutting Forces in Non-Stationary Conditions. Advanced Materials Research, 0, 223, 679-688.	0.3	0