Pierre Joyot

List of Publications by Year
in descending order

		1478505	1372567
18 papers	187 citations	6 h-index	10 g-index
20 all docs	20 docs citations	20 times ranked	120 citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical modelling of high speed drilling. 1: predicting torque and thrust. International Journal of Machine Tools and Manufacture, 1999, 39, 553-568.	13.4	72
2	Mechanical modelling of high speed drilling. 2: predicted and experimental results. International Journal of Machine Tools and Manufacture, 1999, 39, 569-581.	13.4	44
3	On the use of model order reduction for simulating automated fibre placement processes. Advanced Modeling and Simulation in Engineering Sciences, 2016, 3, .	1.7	16
4	Enriched Reproducing Kernel Approximation: Reproducing Functions with Discontinuous Derivatives. , 2005, , 93-107.		13
5	Non-incremental boundary element discretization of parabolic models based on the use of the proper generalized decompositions. Engineering Analysis With Boundary Elements, 2011, 35, 2-17.	3.7	11
6	Support for Decision Making in Design of Composite Laminated Structures. Part 1: Parametric Knowledge Model. Applied Composite Materials, 2019, 26, 643-662.	2.5	7
7	Support for Decision Making in Design of Composite Laminated Structures. Part 2: Reduced Parametric Model-Based Optimization. Applied Composite Materials, 2019, 26, 663-681.	2.5	6
8	Qualitative Constraints in Integrated Design. , 2002, , 35-42.		6
9	Conception Inversée Intégrée : prédimensionnement de produits par satisfaction de contraintesInverted Integrated Design: constraint satisfaction for design support system. Mecanique Et Industries, 2002, 3, 593-605.	0.2	3
10	Tangible user interfaces for physically-based deformation: design principles and first prototype. Visual Computer, 2012, 28, 799-808.	3.5	2
11	Reduced-order model of optimal temperature control for the automated fibre placement process. Comptes Rendus - Mecanique, 2018, 346, 556-570.	2.1	2
12	An experiment-based method for parameter identification of a reduced multiscale parametric viscoelastic model of a laminated composite beam. Multiscale and Multidisciplinary Modeling, Experiments and Design, 2018, 1, 291-305.	2.1	2
13	Enriched Reproducing Kernel Particle Approximation for Simulating Problems Involving Moving Interfaces. , 2007, , 149-164.		2
14	Accounting for incompressibility in reproducing kernel particle meshless approximations. European Journal of Computational Mechanics, 2006, 15, 513-527.	0.6	0
15	PGD-BEM Applied to the Nonlinear Heat Equation. , 2012, , .		0
16	Model reduction method for the simulation of the selective laser melting process. AIP Conference Proceedings, 2019, , .	0.4	0
17	Parametric inverse impulse response based on reduced order modeling and randomized excitations. Mechanical Systems and Signal Processing, 2020, 135, 106392.	8.0	0
18	Modeling and Numerical Simulation of Laminated Thermoplastic Composites Manufactured by Laser-Assisted Automatic Tape Placement. International Polymer Processing, 2020, 35, 471-480.	0.5	0