Stephen W Taylor

List of Publications by Year
in descending order

		1307594	1058476
21 papers	277 citations	7 h-index	14 g-index
24 all docs	24 docs citations	24 times ranked	189 citing authors

#	Article	IF	Citations
1	KWIK:â€‰ Coulomb Energies in O(N) Work. The Journal of Physical Chemistry, 1996, 100, 6272-6276.	2.9	61
2	Modeling the potential of a charge distribution. Journal of Chemical Physics, 1992, 96, 7178-7179.	3.0	49
3	Smoothing evolution equations and boundary control theory. Journal D'Analyse Mathematique, 1992, 59, 117-131.	0.8	34
4	Boundary control of a rotating Timoshenko beam. ANZIAM Journal, 0, 44, 143.	0.0	28
5	A smoothing property of a hyperbolic system and boundary controllability. Journal of Computational and Applied Mathematics, 2000, 114, 23-40.	2.0	26
6	Optimal partition of the Coulomb operator. Physical Review A, 1997, 55, 3233-3235.	2.5	23
7	Extracting atoms from molecular electron densities via integral equations. Journal of Chemical Physics, 2004, 120, 7887-7893.	3.0	14
8	Boundary Feedback Stabilization of a Vibrating String with an Interior Point Mass. International Mathematical Series, 2002, , 271-287.	0.3	8
9	Gevrey Smoothing Properties of the SchrÃ¶dinger Evolution Group in Weighted Sobolev Spaces. Journal of Mathematical Analysis and Applications, 1995, 194, 14-38.	1.0	5
10	The balayage method: boundary control of a thermo-elastic plate. Applicationes Mathematicae, 2008, 35, 467-479.	0.1	5
11	Classical Solutions of Nonlinear Beam Equations: Existence and Stabilization. SIAM Journal on Control and Optimization, 2012, 50, 703-719.	2.1	4
12	Modelling steel strip heating within an annealing furnace. Pacific Journal of Mathematics for Industry, 2017, 9, .	0.7	3
13	One-dimensional model for chemotaxis with hard-core interactions. Physical Review E, 2020, 101, 022419.	2.1	2
14	Structural modelling of deformable screens for large door openings. ANZIAM Journal, 0, 57, 55.	0.0	2
15	Gevrey solutions for equations of Euler-Bernoulli type. Journal of Differential Equations, 1991, 92, 331-359.	2.2	1
16	Predicting the shelf life of milk powder. ANZIAM Journal, 0, 58, 379.	0.0	1
17	Boundary control of plates with variable physical characteristics. , 1990, , .		0
18	Locally smooth unitary groups and applications to boundary control of PDEs. Evolution Equations and Control Theory, 2013, 2, 733-740.	1.3	0

#	Article	IF	Citations
19	A Calibration Transform for Families of Spectroscopes. ANZIAM Journal, 0, 57, 268.	0.0	0
20	ESTIMATES FOR APPROXIMATE SOLUTIONS TO A FUNCTIONAL DIFFERENTIAL EQUATION MODEL OF CELL DIVISION. ANZIAM Journal, 2020, 62, 469-488.	0.2	0
21	Modelling nutrient deposition from intensive agricultural practices. Applied Mathematical Modelling, 2022, 105, 149-159.	4.2	0