

Toby D Young

List of Publications by Year in descending order

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18
papers

127
citations

1307594

7
h-index

1281871

11
g-index

18
all docs

18
docs citations

18
times ranked

169
citing authors

#	ARTICLE	IF	CITATIONS
1	On the adaptive finite element analysis of the Kohn-Sham equations: methods, algorithms, and implementation. International Journal for Numerical Methods in Engineering, 2016, 106, 863-888.	2.8	18
2	Influence of hydrostatic pressure on the built-in electric field in ZnO/ZnMgO quantum wells. Journal of Applied Physics, 2016, 119, 215702.	2.5	13
3	A Hartree-Fock study of the confined helium atom: Local and global basis set approaches. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 712-717.	2.1	15
4	A study of the piezoelectric properties of semipolar 112̄...2 GaN/AlN quantum dots. Physica Status Solidi (B): Basic Research, 2015, 252, 2296-2303.	1.5	4
5	A quantum dot nucleated on the edge of a threading dislocation: elastic and electric field effects. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 97-100.	0.8	6
6	Parallel finite element density functional computations exploiting grid refinement and subspace recycling. Computer Physics Communications, 2013, 184, 66-72.	7.5	4
7	Finite element modelling of semi and nonpolar GaN/AlN quantum dots. Applied Surface Science, 2012, 260, 59-64.	6.1	10
8	Computer Modeling of Nanoindentation in the Limits of a Coupled Molecular-Statics and Elastic Scheme. Journal of Computational and Theoretical Nanoscience, 2010, 7, 1172-1181.	0.4	10
9	Strategies for h-Adaptive Refinement for a Finite Element Treatment of Harmonic Oscillator Schrödinger Eigenproblem. Communications in Theoretical Physics, 2010, 53, 1017-1023.	2.5	6
10	Nonlinear Finite Element and Atomistic Modelling of Dislocations in Heterostructures. Advanced Structured Materials, 2010, , 239-253.	0.5	0
11	Morphology and strain of self-assembled semipolar GaN quantum dots in (112̄) AlN. Journal of Applied Physics, 2010, 108, .	2.5	20
12	Continuum and Atomistic Modeling of the Mixed Straight Dislocation. International Journal for Multiscale Computational Engineering, 2010, 8, 331-342.	1.2	4
13	A Non-Singular Computational Method for Modelling Defects in Nanocrystalline Materials. , 2009, , .		0
14	Exemplifying Quantum Systems in a Finite Element Basis. , 2009, , .		0
15	Influence of strain and polarisation on electronic properties of a GaN/AlN quantum dot. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, S557-S560.	0.8	2
16	3D modelling of misfit networks in the interface region of heterostructures. Journal Physics D: Applied Physics, 2007, 40, 4084-4091.	2.8	11
17	Nonlinear piezoelectric properties of GaN quantum dots nucleated at the edge of threading dislocations. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 2399-2402.	0.8	4
18	Removal of spurious admixture in a self-consistent theory of adiabatic large amplitude collective motion. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, 1067-1081.	3.6	0