Ersan Demiralp

List of Publications by Year
in descending order

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23	745	516710 16	677142 22
papers	citations	h-index	g-index

23	23	23	675
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Exact solutions for a Hamiltonian with the Morse potential and the Dirac delta shell interactions. Molecular Physics, 2009, 107, 2053-2062.	1.7	6
2	Bose-Einstein condensate in a harmonic trap decorated with Dirac<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î´</mml:mi></mml:math>functions. Physical Review A, 2007, 76, .	2.5	31
3	The Woodsâ€“Saxon potential with point interactions. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 365, 55-63.	2.1	20
4	Bound state solutions of the SchrÃ¶dinger equation for a -symmetric potential with Dirac delta functions. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 359, 190-198.	2.1	14
5	Solutions of the SchrÃ¶dinger equation for Dirac delta decorated linear potential. Open Physics, 2005, 3, .	1.7	6
6	Properties of a pseudo-Hermitian Hamiltonian for harmonic oscillator decorated with Dirac delta interactions. European Physical Journal D, 2005, 55, 1081-1084.	0.4	13
7	Bound states ofn-dimensional harmonic oscillator decorated with Dirac delta functions. Journal of Physics A, 2005, 38, 4783-4793.	1.6	27
8	Structural and electronic properties of novel nanoscale C4nS4n molecules. Computational and Theoretical Chemistry, 2003, 635, 125-131.	1.5	0
9	Properties of bound states of the SchrÂdinger equation with attractive Dirac delta potentials. Journal of Physics A, 2003, 36, 7449-7459.	1.6	24
10	Dynamic Charge Equilibration-Morse stretch force field: Application to energetics of pure silica zeolites. Journal of Computational Chemistry, 2002, 23, 1507-1514.	3.3	19
11	The MS-Q Force Field for Clay Minerals:Â Application to Oil Production. Journal of Physical Chemistry B, 2001, 105, 4122-4127.	2.6	23
12	Morse Stretch Potential Charge Equilibrium Force Field for Ceramics: Application to the Quartz-Stishovite Phase Transition and to Silica Glass. Physical Review Letters, 1999, 82, 1708-1711.	7.8	173
13	Computational Materials Chemistry at the Nanoscale. Journal of Nanoparticle Research, 1999, 1, 51-69.	1.9	23
14	Theoretical studies on VPI-5. 3.. Computational Materials Science, 1999, 14, 135-137.	3.0	11
15	Factors affecting molecular dynamics simulated vitreous silica structures. Journal of Non-Crystalline Solids, 1999, 253, 133-142.	3.1	121
16	Vibrational Analysis and Isotope Shifts of BEDT-TTF Donor for Organic Superconductors. Journal of Physical Chemistry A, 1998, 102, 2466-2471.	2.5	19
17	Conduction properties of the organic superconductorÎºâ€'(BEDTâ€'TTF)2Cu(NCS)2based on Hubbardâ€“unrestricted-Hartree-Fock band calculations. Physical Review B, 1997, 56, 11907-11919.	3.2	25
18	Pressure Induced Phase Transformations in Silica. Materials Research Society Symposia Proceedings, 1997, 492, 287.	0.1	4

#	Article	IF	Citations
19	Structures and Energetics Study of Tetrathiafulvalene-Based Donors of Organic Superconductors. Journal of Physical Chemistry A, 1997, 101, 8128-8131.	2.5	39
20	MSX Force Field and Vibrational Frequencies for BEDT-TTF (Neutral and Cation). Journal of Physical Chemistry A, 1997, 101, 1975-1981.	2.5	29
21	Electron-transfer boat-vibration mechanism for superconductivity in organic molecules based on BEDT-TTF. Journal of the American Chemical Society, 1995, 117, 8154-8158.	13.7	66
22	Prediction of new donors for organic superconductors. Synthetic Metals, 1995, 72, 297-299.	3.9	19
23	Ab Initio and Semiempirical Electronic Structural Studies on Bis(ethylenedithio)tetrathiafulvalene (BEDT-TTF or ET). The Journal of Physical Chemistry, 1994, 98, 9781-9785.	2.9	33