Svein Saebo

List of Publications by Year in descending order

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25 papers	1,522 citations	623734 14 h-index	580821 25 g-index
26 all docs	26 docs citations	26 times ranked	1076 citing authors

#	Article	IF	Citations
1	Beyond the professional development academy: Teachers' retention of disciplineâ€specific science content knowledge throughout a 3â€year mathematics and science partnership. School Science and Mathematics, 2018, 118, 75-83.	0.9	2
2	Optimizing Online Content Instruction for Effective Hybrid Teacher Professional Development Programs. Journal of Science Teacher Education, 2017, 28, 507-521.	2.5	6
3	Theoretical study of geometry and nucleophilicity of the exocyclic methylene in five-membered ring cyclic ketene acetals, neutral and protonated, containing pnictogen and chalcogen heteroatoms. Structural Chemistry, 2014, 25, 371-376.	2.0	3
4	The potential energy surface of singlet cyclobutadiene and substituted analogs: a coupled-cluster study. Structural Chemistry, 2014, 25, 635-648.	2.0	4
5	A coupled-cluster approach to the relative strains in [1.1.1]propellane, its derivatives and hetero[1.1.1]propellanes. Molecular Physics, 2012, 110, 2349-2357.	1.7	6
6	Four-membered ring cyclic ketene â€“O,Oâ€“, â€“O,Sâ€“, â€“O,Nâ€“, â€“S,Sâ€“, â€“S,Nâ€“, and â€“N,Nâ€“acetals and their corresponding cations: a computational study. Structural Chemistry, 2012, 23, 351-357.	2.0	7
7	Ultrasensitive detection of malondialdehyde with surface-enhanced Raman spectroscopy. Analytical and Bioanalytical Chemistry, 2010, 398, 3193-3201.	3.7	46
8	Structures, Stabilities and Electronic Properties of Endo- and Exohedral Dodecahedral Silsesquioxane (T12-POSS) Nanosized Complexes with Atomic and Ionic Species. Journal of Inorganic and Organometallic Polymers and Materials, 2010, 20, 424-444.	3.7	8
9	Quantum chemistry in parallel with PQS. Journal of Computational Chemistry, 2009, 30, 317-335.	3.3	104
10	Insertion of transition metal atoms and ions into the nanoscale dodecahedral silsesquioxane (T12-POSS) cage: Structures, stabilities and electronic properties. Chemical Physics Letters, 2009, 467, 348-353.	2.6	11
11	Endohedral and Exohedral Complexes of T₈-Polyhedral Oligomeric Silsesquioxane (POSS) with Transition Metal Atoms and Ions. Journal of Physical Chemistry C, 2008, 112, 16070-16077.	3.1	20
12	Structures, Stabilities, and Electronic Properties of Endo- and Exohedral Complexes of T10â^'Polyhedral Oligomeric Silsesquioxane Cages. Journal of Physical Chemistry C, 2007, 111, 6199-6206.	3.1	19
13	Structures and Stabilities of Clusters of Si₁₂, Si₁₈, and Si₂₀ Containing Endohedral Charged and Neutral Atomic Species. Journal of Physical Chemistry C, 2007, 111, 13864-13871.	3.1	16
14	Endohedral and Exohedral Complexes of Polyhedral Double Four-Membered-Ring (D4R) Units with Atomic and Ionic Impurities. Journal of Physical Chemistry A, 2004, 108, 11260-11272.	2.5	30
15	Theoretical Investigation of the C2H2B2 Potential Energy Surface. Structural Chemistry, 2003, 14, 325-335.	2.0	4
16	Ab initio studies of the C2H2BN potential energy surface. Computational and Theoretical Chemistry, 2003, 621, 189-209.	1.5	5
17	Ab Initio Studies of Benzocyclopropenone, Benzocyclopropenone-Containing [2.2]paracyclophane, Its Benzyne Derivative, and the Bridged Benzobarrelene Formed by Intramolecular [4 + 2]Cycloaddition. Journal of Organic Chemistry, 2000, 65, 6620-6626.	3.2	3
18	Efficient elimination of basis set superposition errors by the local correlation method: Accurate ab initio studies of the water dimer. Journal of Chemical Physics, 1993, 98, 2170-2175.	3.0	221

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19	An ab initio study of potentially aromatic and antiaromatic three-membered rings. Journal of the American Chemical Society, 1991, 113, 3689-3696.	13.7	89
20	Molecular structure and conformation of fluoromethyl-substituted cyclopropane and oxirane. MP4(SDQ)/6-3110âˆ—âˆ— results. Computational and Theoretical Chemistry, 1991, 235, 447-457.	1.5	16
21	The local correlation treatment. II. Implementation and tests. Journal of Chemical Physics, 1988, 88, 1884-1890.	3.0	254
22	Fourthâ€order Mo/llerâ€“Plessett perturbation theory in the local correlation treatment. I. Method. Journal of Chemical Physics, 1987, 86, 914-922.	3.0	443
23	Ring puckering potential of oxetane: TZ + nP/MP4 (SDQ) results. The Journal of Physical Chemistry, 1987, 91, 4216-4218.	2.9	19
24	The effect of electron correlation on the trans-cis energy difference of glyoxal. Chemical Physics, 1987, 113, 383-389.	1.9	17
25	An efficient reformulation of the closedâ€shell selfâ€consistent electron pair theory. Journal of Chemical Physics, 1984, 81, 1901-1905.	3.0	169