

Sung-Woo Park

List of Publications by Year in descending order

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34
papers

1,399
citations

331670

21
h-index

345221

36
g-index

40
all docs

40
docs citations

40
times ranked

1605
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Complete Switch of Selectivity in the C-H Alkenylation and Hydroarylation Catalyzed by Iridium: The Role of Directing Groups. <i>Journal of the American Chemical Society</i> , 2015, 137, 13448-13451. | 13.7 | 127 |
| 2 | Cp*Ir(III)-Catalyzed Mild and Broad C-H Arylation of Arenes and Alkenes with Aryldiazonium Salts Leading to the External Oxidant-Free Approach. <i>Journal of the American Chemical Society</i> , 2015, 137, 8584-8592. | 13.7 | 125 |
| 3 | Boron-Catalyzed Silylative Reduction of Quinolines: Selective sp ³ C-Si Bond Formation. <i>Journal of the American Chemical Society</i> , 2014, 136, 16780-16783. | 13.7 | 113 |
| 4 | Bis-Terminal Hydroxy Polyethers as All-Purpose, Multifunctional Organic Promoters: A Mechanistic Investigation and Applications. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7683-7686. | 13.8 | 103 |
| 5 | Effects of Microsolvation on the Structures and Reactions of Neutral and Zwitterion Alanine: Ab Initio Computational Study. <i>Journal of Physical Chemistry B</i> , 2003, 107, 14109-14118. | 2.6 | 76 |
| 6 | Generation of N-Centered Radicals via a Photocatalytic Energy Transfer: Remote Double Functionalization of Arenes Facilitated by Singlet Oxygen. <i>Journal of the American Chemical Society</i> , 2019, 141, 10538-10545. | 13.7 | 75 |
| 7 | An unprecedented η^3 -linear-bent isomerism in tri-nuclear Cu ₂ ZnII complexes with a salen type di-Schiff base ligand. <i>Dalton Transactions</i> , 2012, 41, 11009. | 3.3 | 69 |
| 8 | Chemoselective Silylative Reduction of Conjugated Nitriles under Metal-Free Catalytic Conditions: η^3 -Silyl Amines and Enamines. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6832-6836. | 13.8 | 67 |
| 9 | Dynamic paths between neutral alanine-water and zwitterionic alanine-water clusters: single, double and triple proton transfer. <i>Chemical Physics Letters</i> , 2003, 371, 74-79. | 2.6 | 58 |
| 10 | Facile SN2 Reaction in Protic Solvent: A Quantum Chemical Analysis. <i>Journal of Physical Chemistry A</i> , 2007, 111, 10152-10161. | 2.5 | 52 |
| 11 | Effects of Substituting Group on the Hydrogen Bonding in Phenol-H ₂ O Complexes: Ab Initio Study. <i>Journal of Physical Chemistry A</i> , 2003, 107, 131-139. | 2.5 | 47 |
| 12 | Counterion-Mediated Hydrogen Bonding Effects: Mechanistic Study of Gold(I)-Catalyzed Enantioselective Hydroamination of Allenes. <i>Chemistry - an Asian Journal</i> , 2011, 6, 1982-1986. | 3.3 | 45 |
| 13 | Structures and isomerization of neutral and zwitterion serine-water clusters: Computational study. <i>International Journal of Quantum Chemistry</i> , 2005, 101, 55-66. | 2.0 | 40 |
| 14 | SN2 Fluorination reactions in ionic liquids: a mechanistic study towards solvent engineering. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 418-422. | 2.8 | 37 |
| 15 | Visible light sensitization of benzoyl azides: cascade cyclization toward oxindoles via a non-nitrene pathway. <i>Chemical Communications</i> , 2017, 53, 8798-8801. | 4.1 | 34 |
| 16 | Hydrogen Bonding in Aromatic Alcohol-Water Clusters: A Brief Review. <i>Bulletin of the Korean Chemical Society</i> , 2003, 24, 695-702. | 1.9 | 32 |
| 17 | Structure and stability of glycine-(H ₂ O) ₃ cluster and anion: Zwitterion vs. canonical glycine. <i>International Journal of Quantum Chemistry</i> , 2007, 107, 1316-1327. | 2.0 | 27 |
| 18 | High-temperature in situ crystallographic observation of reversible gas sorption in impermeable organic cages. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 14156-14161. | 7.1 | 27 |

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|----|---|------|-----------|
| 19 | Gas phase hydration of amino acids and dipeptides: effects on the relative stability of zwitterion vs. canonical conformers. RSC Advances, 2014, 4, 16352-16361. | 3.6 | 26 |
| 20 | Efficiency of Bulky Protic Solvent for S _N 2 Reaction. Organic Letters, 2008, 10, 61-64. | 4.6 | 23 |
| 21 | Novel Ionophores with C ₂ -Crown Topology: Anion Sensing via Pure Aliphatic C-H...Anion Hydrogen Bonding. Organic Letters, 2014, 16, 334-337. | 4.6 | 21 |
| 22 | Design of Carbene-Based Organocatalysts for Nitrogen Fixation: Theoretical Study. Journal of Chemical Theory and Computation, 2012, 8, 1983-1988. | 5.3 | 20 |
| 23 | Computational Study of Proline - Water Cluster. Bulletin of the Korean Chemical Society, 2005, 26, 909-912. | 1.9 | 19 |
| 24 | A Mechanistic Study of SN2 Reaction in a Diol Solvent. Journal of Physical Chemistry A, 2009, 113, 3685-3689. | 2.5 | 15 |
| 25 | Conjugate Addition of Perfluoroarenes to α,β -Unsaturated Carbonyls Enabled by an Alkoxide-Hydrosilane System: Implication of a Radical Pathway. Journal of the American Chemical Society, 2018, 140, 9659-9668. | 13.7 | 15 |
| 26 | Effects of Ion and Protic Solvent on Nucleophilic Aromatic Substitution (S _N Ar) Reactions. Bulletin of the Korean Chemical Society, 2010, 31, 2571-2574. | 1.9 | 15 |
| 27 | Structures and isomerization of serine in aqueous solution: Computational study. Chemical Physics Letters, 2005, 403, 72-76. | 2.6 | 12 |
| 28 | Computational study of medium-sized cumulenethiones H ₂ C _n S (n=3-9). Chemical Physics Letters, 2000, 326, 530-536. | 2.6 | 7 |
| 29 | Computational Study of Catechol-(H ₂ O) _n (n=1-3) Clusters. Bulletin of the Korean Chemical Society, 2002, 23, 1297-1303. | 1.9 | 6 |
| 30 | Geometry, Chemical Bonding, and Electronic Spectra of Sinand Sin ⁻ Glycine (n= 3-5) Complexes. Journal of Physical Chemistry A, 2006, 110, 7173-7177. | 2.5 | 5 |
| 31 | Structure, Spectroscopic Properties and Reactions of Interstellar Molecule HC ₂ N and Isomers: Ab initio Study. Bulletin of the Korean Chemical Society, 2002, 23, 1553-1559. | 1.9 | 5 |
| 32 | Very Efficient Nucleophilic Aromatic Fluorination Reaction in Molten Salts: A Mechanistic Study. Bulletin of the Korean Chemical Society, 2012, 33, 881-884. | 1.9 | 5 |
| 33 | Ab Initio and DFT Studies of the Thermal Rearrangement of Trimethylsilylsilylene. Organometallics, 2008, 27, 2123-2127. | 2.3 | 4 |
| 34 | Intermediate Complexes in S _N 2 Reaction: [Na ⁺ , F ⁻ , H ₂ O, CH ₃ Cl] System. Bulletin of the Korean Chemical Society, 2005, 26, 2081-2083. | 1.9 | 2 |