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	Generation of N-Centered Radicals via a Photocatalytic Energy Transfer: Remote Double Functionalization of Arenes Facilitated by Singlet Oxygen. Journal of the American Chemical Society, 2019, 141, 10538-10545.	13.7	75
2	Conjugate Addition of Perfluoroarenes to Î±,Î²-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
3	Visible light sensitization of benzoyl azides: cascade cyclization toward oxindoles via a non-nitrene pathway. Chemical Communications, 2017, 53, 8798-8801.	4.1	34
4	High-temperature in situ crystallographic observation of reversible gas sorption in impermeable organic cages. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14156-14161.	7.1	27
5	Cp*Ir(III)-Catalyzed Mild and Broad Câ^'H Arylation of Arenes and Alkenes with Aryldiazonium Salts Leading to the External Oxidant-Free Approach. Journal of the American Chemical Society, 2015, 137, 8584-8592.	13.7	125
6	Chemoselective Silylative Reduction of Conjugated Nitriles under Metalâ€Free Catalytic Conditions: Î²â€Silyl Amines and Enamines. Angewandte Chemie - International Edition, 2015, 54, 6832-6836.	13.8	67
7	Complete Switch of Selectivity in the Câ€“H Alkenylation and Hydroarylation Catalyzed by Iridium: The Role of Directing Groups. Journal of the American Chemical Society, 2015, 137, 13448-13451.	13.7	127
8	Novel Ionophores with 2n-Crown-n Topology: Anion Sensing via Pure Aliphatic Câ€“HÂ·Â·Â·Anion Hydrogen Bonding. Organic Letters, 2014, 16, 334-337.	4.6	21
9	Boron-Catalyzed Silylative Reduction of Quinolines: Selective sp³ Câ€“Si Bond Formation. Journal of the American Chemical Society, 2014, 136, 16780-16783.	13.7	113
10	Gas phase hydration of amino acids and dipeptides: effects on the relative stability of zwitterionvs.canonical conformers. RSC Advances, 2014, 4, 16352-16361.	3.6	26
11	Design of Carbene-Based Organocatalysts for Nitrogen Fixation: Theoretical Study. Journal of Chemical Theory and Computation, 2012, 8, 1983-1988.	5.3	20
12	An unprecedented â€œlinear-bentâ€•isomerism in tri-nuclear Cu2IIZnII complexes with a salen type di-Schiff base ligand. Dalton Transactions, 2012, 41, 11009.	3.3	69
13	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
14	SN2 Fluorination reactions in ionic liquids: a mechanistic study towards solvent engineering. Organic and Biomolecular Chemistry, 2011, 9, 418-422.	2.8	37
15	Counterionâ€Mediated Hydrogenâ€Bonding Effects: Mechanistic Study of Gold(I)â€Catalyzed Enantioselective Hydroamination of Allenes. Chemistry - an Asian Journal, 2011, 6, 1982-1986.	3.3	45
16	Effects of Ion and Protic Solvent on Nucleophilic Aromatic Substitution (S_NAr) Reactions. Bulletin of the Korean Chemical Society, 2010, 31, 2571-2574.	1.9	15
17	A Mechanistic Study of SN2 Reaction in a Diol Solvent. Journal of Physical Chemistry A, 2009, 113, 3685-3689.	2.5	15
18	Bisâ€Terminal Hydroxy Polyethers as Allâ€Purpose, Multifunctional Organic Promoters: A Mechanistic Investigation and Applications. Angewandte Chemie - International Edition, 2009, 48, 7683-7686.	13.8	103

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19	Ab Initio and DFT Studies of the Thermal Rearrangement of Trimethylsilylsilylene. Organometallics, 2008, 27, 2123-2127.	2.3	4
20	Efficiency of Bulky Protic Solvent for S_N2 Reaction. Organic Letters, 2008, 10, 61-64.	4.6	23
21	Facile SN2 Reaction in Protic Solvent:Â Quantum Chemical Analysis. Journal of Physical Chemistry A, 2007, 111, 10152-10161.	2.5	52
22	Structure and stability of glycineâ€“(H2O)3 cluster and anion: Zwitterion vs. canonical glycine. International Journal of Quantum Chemistry, 2007, 107, 1316-1327.	2.0	27
23	Geometry, Chemical Bonding, and Electronic Spectra of Sinand Sinâ^'Glycine (n= 3â^'5) Complexes. Journal of Physical Chemistry A, 2006, 110, 7173-7177.	2.5	5
24	Structures and isomerization of serine in aqueous solution: Computational study. Chemical Physics Letters, 2005, 403, 72-76.	2.6	12
25	Structures and isomerization of neutral and zwitterion serine-water clusters: Computational study. International Journal of Quantum Chemistry, 2005, 101, 55-66.	2.0	40
26	Intermediate Complexes in S_N2 Reaction: [Na⁺, F⁻, H₂O, CH₃Cl] System. Bulletin of the Korean Chemical Society, 2005, 26, 2081-2083.	1.9	2
27	Computational Study of Proline - Water Cluster. Bulletin of the Korean Chemical Society, 2005, 26, 909-912.	1.9	19
28	Dynamic paths between neutral alanineâ€“water and zwitterionic alanineâ€“water clusters: single, double and triple proton transfer. Chemical Physics Letters, 2003, 371, 74-79.	2.6	58
29	Effects of Substituting Group on the Hydrogen Bonding in Phenolâ^'H2O Complexes:â€‰ Ab Initio Study. Journal of Physical Chemistry A, 2003, 107, 131-139.	2.5	47
30	Effects of Microsolvation on the Structures and Reactions of Neutral and Zwitterion Alanine:â€‰ Computational Study. Journal of Physical Chemistry B, 2003, 107, 14109-14118.	2.6	76
31	Hydrogen Bonding in Aromatic Alcohol-Water Clusters: A Brief Review. Bulletin of the Korean Chemical Society, 2003, 24, 695-702.	1.9	32
32	Structure, Spectroscopic Properties and Reactions of Interstellar Molecule HC₂N and Isomers :Ab initio Study. Bulletin of the Korean Chemical Society, 2002, 23, 1553-1559.	1.9	5
33	Computational Study of Catechol-(H?O)?(n=1-3) Clusters. Bulletin of the Korean Chemical Society, 2002, 23, 1297-1303.	1.9	6
34	Computational study of medium-sized cumulenethiones H2CnS (n=3â€“9). Chemical Physics Letters, 2000, 326, 530-536.	2.6	7