# Jeehiun K Lee

List of Publications by Year
in descending order



| 46 | 1,221 | 304743 22 | 377865 34 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 47 | 47 | 47 | 1136 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Nucleophilicity and Electrophilicity in the Gas Phase: Silane Hydricity. Journal of Organic Chemistry, 2022, 87, 1840-1849. | 3.2 | 2 |
| 2 | Gasâ€phase experimental and computational studies of human hypoxanthineâ€guanine phosphoribosyltransferase substrates: Intrinsic properties and biological implications. Journal of Physical Organic Chemistry, 2022, 35, . | 1.9 | 3 |
| 3 | Gas-Phase Experimental and Computational Studies of 5-Halouracils: Intrinsic Properties and Biological Implications. Journal of Organic Chemistry, 2021, 86, 6361-6370. | 3.2 | 5 |
| 4 | Unique Hydrogen Bonding of Adenine with the Oxidatively Damaged Base 8-Oxoguanine Enables Specific Recognition and Repair by DNA Glycosylase MutY. Journal of the American Chemical Society, 2020, 142, 20340-20350. | 13.7 | 11 |
| 5 | Celebrating 5 Years of Open Access with <i>ACS Omega</i>. ACS Omega, 2020, 5, 16986-16986. | 3.5 | 2 |
| 6 | Kinetic hydricity of silane hydrides in the gas phase. Chemical Science, 2019, 10, 8002-8008. | 7.4 | 5 |
| 7 | Gas-Phase and Ionic Liquid Experimental and Computational Studies of Imidazole Acidity and Carbon Dioxide Capture. Journal of Organic Chemistry, 2019, 84, 14593-14601. | 3.2 | 10 |
| 8 | Gas-Phase Deprotonation of Benzhydryl Cations: Carbene Basicity, Multiplicity, and Rearrangements. Journal of Organic Chemistry, 2019, 84, 7685-7693. | 3.2 | 3 |
| 9 | p<i>K</i><sub>a</sub> Prediction. , 2018, , 503-518. | | 0 |
| 10 | The importance of N-heterocyclic carbene basicity in organocatalysis. Organic and Biomolecular Chemistry, 2018, 16, 8230-8244. | 2.8 | 55 |
| 11 | Experimental and Computational Gas Phase Acidities of Conjugate Acids of Triazolylidene Carbenes: Rationalizing Subtle Electronic Effects. Journal of the American Chemical Society, 2017, 139, 14917-14930. | 13.7 | 33 |
| 12 | Gasâ€Phase Studies of Formamidopyrimidine Glycosylase (Fpg) Substrates. Chemistry - A European Journal, 2016, 22, 3881-3890. | 3.3 | 9 |
| 13 | An Isolable, Photoswitchable Nâ€Heterocyclic Carbene: Onâ€Demand Reversible Ammonia Activation. Angewandte Chemie - International Edition, 2015, 54, 11559-11563. | 13.8 | 45 |
| 14 | Reprint of â€œThe benzoin condensation: Charge tagging of the catalyst allows for tracking by mass spectrometryâ€. International Journal of Mass Spectrometry, 2015, 378, 169-174. | 1.5 | 3 |
| 15 | Gas Phase Studies of N-Heterocyclic Carbene-Catalyzed Condensation Reactions. Journal of Organic Chemistry, 2015, 80, 6831-6838. | 3.2 | 11 |
| 16 | Computational Studies of the Gas-Phase Thermochemical Properties of Modified Nucleobases. Journal of Organic Chemistry, 2014, 79, 11295-11300. | 3.2 | 8 |
| 17 | The benzoin condensation: Charge tagging of the catalyst allows for tracking by mass spectrometry. International Journal of Mass Spectrometry, 2014, 369, 92-97. | 1.5 | 8 |
| 18 | Divergent Mechanisms for Enzymatic Excision of 5-Formylcytosine and 5-Carboxylcytosine from DNA. Journal of the American Chemical Society, 2013, 135, 15813-15822. | 13.7 | 69 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Assessing the Proton Affinities of N,Nâ€²-Diamidocarbenes. Journal of Organic Chemistry, 2013, 78, 10452-10458. | 3.2 | 21 |
| 20 | 1,2,3-Triazoles: Gas Phase Properties. Journal of Organic Chemistry, 2013, 78, 7249-7258. | 3.2 | 23 |
| 21 | Gas-Phase Studies of Substrates for the DNA Mismatch Repair Enzyme MutY. Journal of the American Chemical Society, 2012, 134, 19839-19850. | 13.7 | 23 |
| 22 | 2-Pyridone and Derivatives: Gas-Phase Acidity, Proton Affinity, Tautomer Preference, and Leaving Group Ability. Journal of Organic Chemistry, 2012, 77, 1623-1631. | 3.2 | 35 |
| 23 | Gas-Phase Studies of Purine 3-Methyladenine DNA Glycosylase II (AlkA) Substrates. Journal of the American Chemical Society, 2012, 134, 9622-9633. | 13.7 | 28 |
| 24 | Reaction mechanisms: pericyclic reactions. Annual Reports on the Progress of Chemistry Section B, 2011, 107, 266. | 0.9 | 7 |
| 25 | Reactivity of carbeneâ€¢phosphine dimers: proton affinity revisited. Journal of Physical Organic Chemistry, 2011, 24, 929-936. | 1.9 | 16 |
| 26 | Stability of DNA Duplexes Containing Hypoxanthine (Inosine): Gas versus Solution Phase and Biological Implications. Journal of Organic Chemistry, 2010, 75, 1848-1854. | 3.2 | 32 |
| 27 | Proton Affinities of Phosphines versus N-Heterocyclic Carbenes. Organic Letters, 2010, 12, 4764-4767. | 4.6 | 24 |
| 28 | Reaction mechanisms : Part (ii) Pericyclic reactions. Annual Reports on the Progress of Chemistry Section B, 2010, 106, 283. | 0.9 | 2 |
| 29 | Gas-Phase Thermochemical Properties of the Damaged Base O6-Methylguanine versus Adenine and Guanine. Journal of Organic Chemistry, 2009, 74, 7429-7440. | 3.2 | 44 |
| 30 | Uracil and Thymine Reactivity in the Gas Phase: The S<sub>N</sub>2 Reaction and Implications for Electron Delocalization in Leaving Groups. Journal of the American Chemical Society, 2009, 131, 18376-18385. | 13.7 | 19 |
| 31 | Reaction mechanisms : Part (ii) Pericyclic reactions. Annual Reports on the Progress of Chemistry Section B, 2009, 105, 285. | 0.9 | 6 |
| 32 | Reaction mechanisms : Part (ii) Pericyclic reactions. Annual Reports on the Progress of Chemistry Section B, 2008, 104, 260. | 0.9 | 6 |
| 33 | The Acidity and Proton Affinity of the Damaged Base 1,<i>N</i><sup>6</sup>-Ethenoadenine in the Gas Phase versus in Solution: Intrinsic Reactivity and Biological Implications. Journal of Organic Chemistry, 2008, 73, 5907-5914. | 3.2 | 34 |
| 34 | Gas-Phase Thermochemical Properties of Pyrimidine Nucleobases. Journal of Organic Chemistry, 2008, 73, 9283-9291. | 3.2 | 59 |
| 35 | Reaction mechanisms : Part (ii) Pericyclic reactions. Annual Reports on the Progress of Chemistry Section B, 2007, 103, 272. | 0.9 | 5 |
| 36 | Acidity and Proton Affinity of Hypoxanthine in the Gas Phase versus in Solution:Â Intrinsic Reactivity and Biological Implications. Journal of Organic Chemistry, 2007, 72, 6548-6555. | 3.2 | 48 |

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|---|---|---|---|
| 37 | DNA stability in the gas versus solution phases: A systematic study of thirty-one duplexes with varying length, sequence, and charge level. Journal of the American Society for Mass Spectrometry, 2006, 17, 1383-1395. | 2.8 | 29 |
| 38 | Insights into nucleic acid reactivity through gas-phase experimental and computational studies. International Journal of Mass Spectrometry, 2005, 240, 261-272. | 1.5 | 38 |
| 39 | Gas-Phase Acidity Studies of Multiple Sites of Adenine and Adenine Derivatives. Journal of Organic Chemistry, 2004, 69, 7018-7025. | 3.2 | 39 |
| 40 | The gas phase proton affinity of uracil: measuring multiple basic sites and implications for the enzyme mechanism of orotidine 5â€²-monophosphate decarboxylase. Chemical Communications, 2002, , 2354-2355. | 4.1 | 42 |
| 41 | Acidity of Adenine and Adenine Derivatives and Biological Implications. A Computational and Experimental Gas-Phase Study. Journal of Organic Chemistry, 2002, 67, 8360-8365. | 3.2 | 46 |
| 42 | The acidity of uracil and uracil analogs in the gas phase: Four surprisingly acidic sites and biological implications. Journal of the American Society for Mass Spectrometry, 2002, 13, 985-995. | 2.8 | 81 |
| 43 | The Anionic Oxy-Cope Rearrangement:â€‰ Using Chemical Reactivity to Reveal the Facile Isomerization of the Parent Substrates in the Gas Phase. Journal of Organic Chemistry, 2001, 66, 7247-7253. | 3.2 | 10 |
| 44 | The Acidity of Uracil from the Gas Phase to Solution:Â The Coalescence of the N1 and N3 Sites and Implications for Biological Glycosylation. Journal of the American Chemical Society, 2000, 122, 6258-6262. | 13.7 | 125 |
| 45 | 13C Kinetic Isotope Effects and the Mechanism of the Uncatalyzed Decarboxylation of Orotic Acid. Journal of the American Chemical Society, 2000, 122, 3296-3300. | 13.7 | 46 |
| 46 | New Paradigm for Anionic Heteroatom Cope Rearrangements. Journal of the American Chemical Society, 1998, 120, 205-206. | 13.7 | 40 |