

# Jean-François Gal

## List of Publications by Year in descending order

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109  
papers

2,961  
citations

186265

28  
h-index

206112

48  
g-index

115  
all docs

115  
docs citations

115  
times ranked

2553  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Evolution of Chemical Research in Nice, C te d'Azur: From Early Laboratories to the Institut de Chimie de Nice. ChemPlusChem, 2022, , e202100532.  | 2.8 | 0         |
| 2  | Front Cover: Evolution of Chemical Research in Nice, C te d'Azur: From Early Laboratories to the Institut de Chimie de Nice (ChemPlusChem 6/2022). ChemPlusChem, 2022, 87, .   | 2.8 | 0         |
| 3  | Metal Triflates as Catalysts in Organic Synthesis: Determination of Their Lewis Acidity by Mass Spectrometry. ChemPlusChem, 2022, 87, e202200037.  | 2.8 | 3         |
| 4  | Glossary of terms used in physical organic chemistry (IUPAC Recommendations 2021). Pure and Applied Chemistry, 2022, 94, 353-534.  | 1.9 | 17        |
| 5  | Nitriles with High Gas-Phase Basicity Part II Transmission of the Push Pull Effect through Methylene cyclopropene and Cyclopropanimine Scaffolds Intercalated between Different Electron Donor(s) and the Cyano N-Protonation Site. Molecules, 2022, 27, 4370. | 3.8 | 4         |
| 6  | Organometallic superacids and hyperacids: Acidity enhancement by internal bonding with a strong electron-pair acceptor group BX <sub>2</sub> . Chemical Physics Letters, 2021, 763, 138207.  | 2.6 | 2         |
| 7  | Can the Lewis Basicity of an Isolated Solvent Molecule be Used for Characterizing Solvent Effects?. Current Analytical Chemistry, 2021, 17, 328-338.   | 1.2 | 4         |
| 8  | Energetics and Structures of Adducts of JohnPhos(Au <sup>+</sup> ), PPh <sub>3</sub> (Au <sup>+</sup> ), and IPr(Au <sup>+</sup> ) with Organic Substrates: A Mass Spectrometry and DFT Study. Organometallics, 2021, 40, 1642-1653.                           | 2.3 | 0         |
| 9  | Push Pull Effect on the Gas-Phase Basicity of Nitriles: Transmission of the Resonance Effects by Methylene cyclopropene and Cyclopropanimine Systems Substituted by Two Identical Strong Electron Donors. Symmetry, 2021, 13, 1554.                            | 2.2 | 10        |
| 10 | Enthalpies of Adduct Formation between Boron Trifluoride and Selected Organic Bases in Solution: Toward an Accurate Theoretical Entry to Lewis Basicity. Molecules, 2021, 26, 6659.  | 3.8 | 7         |
| 11 | Assessment of the nature of interactions of cations with cycloheptatriene derivatives using change in the aromaticity: Comparison with electron density and NBO results. Molecular Physics, 2020, 118, e1662507.   | 1.7 | 5         |
| 12 | Alkali Metal Cations Bonding to Carboxylate Anions: Studies using Mass Spectrometry and Quantum Chemical Calculations. Journal of Physical Chemistry A, 2020, 124, 4390-4399.  | 2.5 | 2         |
| 13 | Purine tautomeric preferences and bond-length alternation in relation with protonation-deprotonation and alkali metal cationization. Journal of Molecular Modeling, 2020, 26, 93.  | 1.8 | 5         |
| 14 | On the Lewis Basicity of Phosphoramides: A Critical Examination of Their Donor Number through Comparison of Enthalpies of Adduct Formation with SbCl <sub>5</sub> and BF <sub>3</sub> . ChemPhysChem, 2019, 20, 2566-2576.                                     | 2.1 | 6         |
| 15 | Quality Control of a Functionalized Polymer Catalyst by Energy Dispersive X-ray Spectrometry (EDX or Tj ETQq1 1 0,784314 rgBT /Over  | 6,5 | 0,5       |
| 16 | An Excursion into the History of Chromatography: Mikhail Tswett, From Asti, Italy, to Tartu, Estonia. Chromatographia, 2019, 82, 519-521.  | 1.3 | 2         |
| 17 | Biguanide Antidiabetic Drugs: Imeglimin Exhibits Higher Proton Basicity but Smaller Lithium-Cation Basicity than Metformin in Vacuo. ACS Omega, 2018, 3, 17842-17852.  | 3.5 | 13        |
| 18 | On the Significance of Lone Pair/Lone Pair and Lone Pair/Bond Pair Repulsions in the Cation Affinity and Lewis Acid/Lewis Base Interactions. ACS Omega, 2018, 3, 11331-11339.  | 3.5 | 9         |

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|----|--|------|-----------|
| 19 | Bond Strength and Reactivity Scales for Lewis Superacid Adducts: A Comparative Study with $\text{In}(\text{OTf})_3$ and $\text{Al}(\text{OTf})_3$ . <i>ChemPhysChem</i> , 2017, 18, 683-691.                             | 2.1  | 12        |
| 20 | The guanylated bioamine agmatine – A theoretical investigation of its structure and exceptional high basicity in the gas phase. <i>Computational and Theoretical Chemistry</i> , 2017, 1109, 10-18.                      | 2.5  | 14        |
| 21 | Quantitative Ligand Affinity Scales for Metal Triflate Salts: Application to Isomer Differentiation. <i>ChemPlusChem</i> , 2017, 82, 498-506.  | 2.8  | 5         |
| 22 | Exceptionally High Proton and Lithium Cation Gas-Phase Basicity of the Anti-Diabetic Drug Metformin. <i>Journal of Physical Chemistry A</i> , 2017, 121, 8706-8718.  | 2.5  | 21        |
| 23 | Directionality of Cation/Molecule Bonding in Lewis Bases Containing the Carbonyl Group. <i>Journal of Physical Chemistry A</i> , 2017, 121, 6810-6822.   | 2.5  | 8         |
| 24 | Gas-phase basicity of aromatic azines: A short review on structural effects. <i>International Journal of Mass Spectrometry</i> , 2017, 418, 130-139.   | 1.5  | 14        |
| 25 | Enhanced Basicity of Push–Pull Nitrogen Bases in the Gas Phase. <i>Chemical Reviews</i> , 2016, 116, 13454-13511.  | 47.7 | 85        |
| 26 | Effect of the Number of Methyl Groups on the Cation Affinity of Oxygen, Nitrogen, and Phosphorus Sites of Lewis Bases. <i>Journal of Physical Chemistry A</i> , 2016, 120, 9109-9116.                                    | 2.5  | 10        |
| 27 | Exceptional proton affinities of push–pull nitriles substituted by the guanidino and phosphazeno groups. <i>RSC Advances</i> , 2015, 5, 25513-25517.   | 3.6  | 14        |
| 28 | Aluminum Monocation Basicity and Affinity Scales. <i>European Journal of Mass Spectrometry</i> , 2015, 21, 517-532.  | 1.0  | 8         |
| 29 | Dinuclear Copper Intermediates in Copper(I)-Catalyzed Azide–Alkyne Cycloaddition Directly Observed by Electrospray Ionization Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 3065-3068. | 13.8 | 98        |
| 30 | Catalytic intramolecular carbonyl–ene reaction with ketones: evidence for a retro–ene process. <i>New Journal of Chemistry</i> , 2015, 39, 7453-7458.  | 2.8  | 13        |
| 31 | Can Nitriles Be Stronger Bases Than Proton Sponges in the Gas Phase? A Computational Analysis. <i>Journal of Physical Chemistry A</i> , 2015, 119, 8225-8236.  | 2.5  | 15        |
| 32 | Gas-Phase Lithium Cation Basicity: Revisiting the High Basicity Range by Experiment and Theory. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 1962-1973.                                      | 2.8  | 18        |
| 33 | Insight into the Mechanisms of the Multicomponent Ugi and Ugi–Smiles Reactions by ESI–MS(/MS). <i>European Journal of Organic Chemistry</i> , 2014, 2014, 7087-7090.   | 2.4  | 39        |
| 34 | Catalytic Effect of Cesium Cation Adduct Formation on the Decarboxylation of Carboxylate Ions in the Gas Phase. <i>Chemistry - A European Journal</i> , 2014, 20, 815-823.   | 3.3  | 5         |
| 35 | Interaction between the Cesium Cation and Cesium Carboxylates: An Extended $\text{Cs}^+$ Basicity Scale. <i>ChemPlusChem</i> , 2013, 78, 1195-1204.  | 2.8  | 7         |
| 36 | Theoretical modeling of sensitivity factors of Bayard-Alpert ionization gauges. <i>International Journal of Mass Spectrometry</i> , 2013, 341-342, 52-58.  | 1.5  | 11        |

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|----|---|-----|-----------|
| 37 | Metal triflates and triflimides as Lewis "superacids": preparation, synthetic application and affinity tests by mass spectrometry. <i>Journal of Physical Organic Chemistry</i> , 2013, 26, 87-97.  | 1.9 | 23        |
| 38 | Comment on the Article "Gutmann Donor and Acceptor Numbers for Ionic Liquids" by M. Schmeisser, P. Illner, R. Puchta, A. Zahl, and R. van Eldik ( <i>Chem. Eur. J.</i> 2012, 18, 10969-10982). <i>Chemistry 3.3 A European Journal</i> , 2013, 19, 16832-16834. |     | 7         |
| 39 | A Quantitative Approach of the Interaction between Metal Triflates and Organic Ligands Using Electrospray Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 2059-2062.  | 2.8 | 9         |
| 40 | Measuring Gas-Phase Basicities Relative to the Lithium Cation by Mass Spectrometry: A Physical Chemistry Experiment. <i>Journal of Chemical Education</i> , 2012, 89, 1476-1478.  | 2.3 | 8         |
| 41 | An Overview of Lewis Basicity and Affinity Scales. <i>Journal of Chemical Education</i> , 2011, 88, 1651-1657.  | 2.3 | 67        |
| 42 | Characterization of oligomers from methylglyoxal under dark conditions: a pathway to produce secondary organic aerosol through cloud processing during nighttime. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 3803-3812.                               | 4.9 | 74        |
| 43 | A Short Note on the History of Chromatography at the University of Tartu, Estonia. <i>Chromatographia</i> , 2010, 72, 203-204.  | 1.3 | 2         |
| 44 | A study of the cesium cation bonding to carboxylate anions by the kinetic method and quantum chemical calculations. <i>Journal of Mass Spectrometry</i> , 2010, 45, 520-527.  | 1.6 | 12        |
| 45 | Mass spectrometric characterization of metal triflates and triflimides (Lewis superacid catalysts) by electrospray ionization and tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 2611-2619.                             | 1.5 | 17        |
| 46 | Relative basicities toward metal triflates Lewis acids by electrospray mass spectrometry. <i>Chemical Communications</i> , 2010, 46, 8472.  | 4.1 | 9         |
| 47 | Bonding between the cesium cation and substituted benzoic acids or benzoate anions in the gas phase: A density functional theory and mass spectrometric study. <i>Collection of Czechoslovak Chemical Communications</i> , 2009, 74, 167-188.                   | 1.0 | 8         |
| 48 | Interaction of the cesium cation with mono-, di-, and tricarboxylic acids in the gas phase. A Cs <sup>+</sup> affinity scale for cesium carboxylates ion pairs. <i>Journal of the American Society for Mass Spectrometry</i> , 2009, 20, 1912-1924.             | 2.8 | 15        |
| 49 | Computational Study of Cesium Cation Interactions with Neutral and Anionic Compounds Related to Soil Organic Matter. <i>Journal of Physical Chemistry A</i> , 2009, 113, 10734-10744.   | 2.5 | 19        |
| 50 | Elemental characterization and source identification of PM2.5 using Positive Matrix Factorization: The Malraux road tunnel, Nice, France. <i>Atmospheric Research</i> , 2009, 94, 320-329.  | 4.1 | 71        |
| 51 | Cyano substituent effects on enol and enethiol acidity and basicity: The protonation and deprotonation of 3-hydroxy-2-propenenitrile and its thio analogue. <i>International Journal of Mass Spectrometry</i> , 2007, 267, 125-133.                             | 1.5 | 18        |
| 52 | Cesium cation affinities and basicities. <i>International Journal of Mass Spectrometry</i> , 2007, 267, 7-23.   | 1.5 | 45        |
| 53 | Application of FT-ICR-MS for the study of proton-transfer reactions involving biomolecules. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 389, 1365-1380.   | 3.7 | 22        |
| 54 | Gas-phase lithium cation basicity of histamine and its agonist 2-(1-aminoethyl)-pyridine. <i>International Journal of Mass Spectrometry</i> , 2007, 267, 315-323.   | 1.5 | 8         |

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|----|--|------|-----------|
| 55 | Bonding energetics in clusters formed by cesium salts: a study by collision-induced dissociation and density functional theory. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 2057-2062.  | 1.5  | 11        |
| 56 | Are nicotinoids protonated on the pyridine or the amino nitrogen in the gas phase?. <i>Journal of Physical Organic Chemistry</i> , 2006, 19, 104-114.  | 1.9  | 17        |
| 57 | Complexes between Lithium Cation and Diphenylalkanes in the Gas Phase: The Pincer Effect. <i>Chemistry - A European Journal</i> , 2006, 12, 7676-7683.   | 3.3  | 32        |
| 58 | Ab Initio and Experimental Thermodynamic and Kinetic Study of Proton-Assisted Bond Activation in Gaseous Hydrocarbons: Deconvolution of Reaction Efficiencies in the Case of Adamantane. <i>Chemistry - A European Journal</i> , 2006, 12, 5505-5513.  | 3.3  | 10        |
| 59 | Gas-Phase Protonation and Deprotonation of Acrylonitrile Derivatives $Ni\frac{1}{2}C\ddot{i}\frac{1}{2}CH\ddot{i}\frac{3}{4}CH\ddot{i}\frac{1}{4}X$ ( $X=CH_3, NH_2$ ). <i>Journal of Physical Organic Chemistry</i> , 2005, 18, 856-863.  | 3.3  | 17        |
| 60 | Steric Effects in Isolated Molecules: Gas-Phase Basicity of Methyl-Substituted Acetophenones. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 2580-2588.  | 2.4  | 12        |
| 61 | SPME Sampling of BTEX before GC/MS Analysis: Examples of outdoor and indoor Air Quality Measurements in Public and Private Sites. <i>Annali Di Chimica</i> , 2005, 95, 757-766.  | 0.6  | 14        |
| 62 | Acidity Trends in $\hat{1}\ddot{2}$ -Unsaturated Sulfur, Selenium, and Tellurium Derivatives: Comparison with C-, Si-, Ge-, Sn-, N-, P-, As-, and Sb-Containing Analogues. <i>Chemistry - A European Journal</i> , 2005, 11, 2145-2153.  | 3.3  | 28        |
| 63 | Experimental (FT-ICR) and theoretical (DFT) estimation of the basic site preference for the bidentate molecule 2-( $\hat{1}\ddot{2}$ -aminoethyl)-pyridine: similarity with histamine. <i>Journal of Physical Organic Chemistry</i> , 2005, 18, 856-863.   | 1.9  | 12        |
| 64 | Investigations of cluster ions formed between cesium cations and benzoic, salicylic and phthalic acids by electrospray mass spectrometry and density-functional theory calculations. Toward a modeling of the interaction of $Cs^+$ with humic substances. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 568-573. | 1.5  | 16        |
| 65 | Thermogravimetric calibration of permeation tubes used for the preparation of gas standards for air pollution analysis. <i>Analyst</i> , The, 2005, 130, 1369.   | 3.5  | 33        |
| 66 | Determination of benzene, toluene, ethylbenzene and xylenes in air by solid phase micro-extraction/gas chromatography/mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2004, 380, 824-830.   | 3.7  | 55        |
| 67 | Experimental and Theoretical Evidence of Basic Site Preference in Polyfunctional Superbasic Amidinazine: $\hat{A}N1, N1$ -Dimethyl- $\hat{N}2$ - $\hat{1}\ddot{2}$ -(2-pyridylethyl)formamidine. <i>Journal of Organic Chemistry</i> , 2004, 69, 4023-4030.  | 3.2  | 28        |
| 68 | Enhanced $Li^+$ Binding Energies in Alkylbenzene Derivatives: The Scorpion Effect. <i>Chemistry - A European Journal</i> , 2003, 9, 4330-4338.   | 3.3  | 28        |
| 69 | Consequences of proton transfer in guanidine. <i>Journal of Physical Organic Chemistry</i> , 2003, 16, 91-106.   | 1.9  | 109       |
| 70 | Ab initio study of tautomerism and of basicity center preference in histamine, from gas phase to solution-comparison with experimental data (gas phase, solution, solid state). <i>Journal of Physical Organic Chemistry</i> , 2003, 16, 783-796.  | 1.9  | 30        |
| 71 | Lithium-Cation/ $\hat{1}\ddot{2}$ Complexes of Aromatic Systems. The Effect of Increasing the Number of Fused Rings. <i>Journal of the American Chemical Society</i> , 2003, 125, 10394-10401.   | 13.7 | 82        |
| 72 | The Nicotinic Pharmacophore: $\hat{A}$ Thermodynamics of the Hydrogen-Bonding Complexation of Nicotine, Nornicotine, and Models. <i>Journal of Organic Chemistry</i> , 2003, 68, 8208-8221.  | 3.2  | 42        |

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|----|---|------|-----------|
| 73 | Is Allylphosphine a Carbon or a Phosphorus Base in the Gas Phase?. <i>European Journal of Mass Spectrometry</i> , 2003, 9, 245-255.   | 1.0  | 5         |
| 74 | Using Thermogravimetry for Weight Loss Monitoring of Permeation Tubes Used for Generation of Trace Concentration Gas Standards. <i>Analytical Chemistry</i> , 2002, 74, 305-307.  | 6.5  | 29        |
| 75 | Site of Protonation of Nicotine and Nornicotine in the Gas Phase: Pyridine or Pyrrolidine Nitrogen?. <i>Journal of the American Chemical Society</i> , 2002, 124, 10552-10562.  | 13.7 | 77        |
| 76 | The Gas-Phase Acidity of HCP, CH <sub>3</sub> CP, HCAs, and CH <sub>3</sub> CAs: An Unexpected Enhanced Acidity of the Methyl Group. <i>Chemistry - A European Journal</i> , 2002, 8, 4919-4924.                            | 3.3  | 29        |
| 77 | Adduct formation between phthalate esters and Li <sup>+</sup> in the gas phase: a thermochemical study by FT-ICR mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2002, 217, 75-79.                   | 1.5  | 14        |
| 78 | Gas-phase lithium-cation basicities of some benzene derivatives. <i>International Journal of Mass Spectrometry</i> , 2002, 219, 445-456.  | 1.5  | 47        |
| 79 | Vinyl- and ethynylsilanes, -germanes and -stannanes. A new case of dissociative proton attachment. <i>Journal of Physical Organic Chemistry</i> , 2002, 15, 509-513.  | 1.9  | 12        |
| 80 | Acidity Trends in $\hat{1}\pm, \hat{1}^2$ -Unsaturated Alkanes, Silanes, Germanes, and Stannanes. <i>Journal of the American Chemical Society</i> , 2001, 123, 6353-6359.   | 13.7 | 43        |
| 81 | Thermochemical aspects of proton transfer in the gas phase. <i>Journal of Mass Spectrometry</i> , 2001, 36, 699-716.  | 1.6  | 94        |
| 82 | Gas-phase structural (internal) effects in strong organic nitrogen bases. <i>Journal of Physical Organic Chemistry</i> , 2001, 14, 25-34.   | 1.9  | 72        |
| 83 | Revised and Expanded Scale of Gas-Phase Lithium Cation Basicities. An Experimental and Theoretical Study. <i>Journal of Physical Chemistry A</i> , 2000, 104, 2824-2833.  | 2.5  | 131       |
| 84 | Gas-Phase Basicity of Polyfunctional Amidinazines: $\hat{A}$ Experimental Evidence of Preferred Site(s) of Protonation. <i>Journal of Organic Chemistry</i> , 2000, 65, 4635-4640.  | 3.2  | 24        |
| 85 | The P $\hat{A}\hat{A}\hat{A}$ -Li <sup>+</sup> Ion in the Gas Phase: $\hat{A}$ A Planetary System. <i>Journal of the American Chemical Society</i> , 2000, 122, 4451-4454.  | 13.7 | 42        |
| 86 | Gas-phase ion-molecule reactions in organophosphorus esters. , 1999, 34, 1296-1302.   |      | 12        |
| 87 | Gas-Phase Basicity and Acidity Trends in $\hat{1}\pm, \hat{1}^2$ -Unsaturated Amines, Phosphines, and Arsines. <i>Journal of the American Chemical Society</i> , 1999, 121, 4653-4663.                                      | 13.7 | 47        |
| 88 | Gas-phase basicity of simple amides toward proton and lithium cation: an experimental and theoretical study. <i>European Journal of Mass Spectrometry</i> , 1999, 5, 259.   | 0.7  | 20        |
| 89 | Fourier transform ion cyclotron resonance determination of lithium cation basicities by the kinetic method: upward extension of the scale to phosphoryl compounds. <i>Journal of Mass Spectrometry</i> , 1998, 33, 757-765. | 1.6  | 21        |
| 90 | The gas-phase basicity of ethyl-, ethenyl- and ethynylphosphines and arsines. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1998, 175, 27-33.   | 1.8  | 7         |

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|-----|--|-----|-----------|
| 91  | Comparison of Brønsted acidities of neutral NH-acids in gas phase, dimethyl sulfoxide and water. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1998, 175, 61-69.   | 1.8 | 33        |
| 92  | Gas-Phase Basicities of Acid Anhydrides. <i>Journal of Physical Chemistry A</i> , 1998, 102, 9183-9192.  | 2.5 | 17        |
| 93  | Gas-Phase Cation Basicities for Sulfuryl Species from Calculation and Experiment. <i>Journal of Organic Chemistry</i> , 1997, 62, 9203-9209.   | 3.2 | 17        |
| 94  | Gas-Phase Basicities and Acidities of Ethyl-, Vinyl-, and Ethynylarsine. An Experimental and Theoretical Study. <i>Journal of Physical Chemistry A</i> , 1997, 101, 9525-9530.   | 2.5 | 28        |
| 95  | Lithium-cation and proton affinities of sulfoxides and sulfones: A fourier transform ion cyclotron resonance study. <i>Journal of the American Society for Mass Spectrometry</i> , 1997, 8, 262-269.   | 2.8 | 27        |
| 96  | The heats of formation, gas-phase acidities, and related thermochemical properties of the third-row hydrides GeH <sub>4</sub> , AsH <sub>3</sub> , SeH <sub>2</sub> and HBr from G2 ab initio calculations. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1997, 167-168, 689-696.                        | 1.8 | 32        |
| 97  | On the Use of the Kinetic Method for the Determination of Proton Affinities by Fourier-transform Ion Cyclotron Resonance Mass Spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1996, 10, 242-245.  | 1.5 | 28        |
| 98  | Experimental and theoretical study of carbon suboxide C <sub>3</sub> O <sub>2</sub> , protonated carbon suboxide C <sub>3</sub> HO <sub>2</sub> <sup>+</sup> and C <sub>3</sub> HO <sub>2</sub> <sup>•</sup> radical in the gas phase. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1995, 141, 241-255. | 1.8 | 21        |
| 99  | Acidity and basicity of thiocarboxamides in the gas phase. <i>Journal of Physical Organic Chemistry</i> , 1994, 7, 511-517.  | 1.9 | 15        |
| 100 | Superbases in the gas phase. Part II. Further extension of the basicity scale using acyclic and cyclic guanidines. <i>Journal of Physical Organic Chemistry</i> , 1994, 7, 725-733.  | 1.9 | 89        |
| 101 | Meta versus para substituent effect in the gas phase: Separation of inductive and resonance components. <i>Journal of Physical Organic Chemistry</i> , 1994, 7, 615-624.   | 1.9 | 23        |
| 102 | Sterically Hindered Resonance in Methyl-Substituted Anilines in the Gas Phase. <i>Journal of Organic Chemistry</i> , 1994, 59, 8127-8131.  | 3.2 | 20        |
| 103 | Superbases in the gas phase: Amidine and guanidine derivatives with proton affinities larger than 1000 kJ mol <sup>-1</sup> . <i>Rapid Communications in Mass Spectrometry</i> , 1993, 7, 599-602.   | 1.5 | 68        |
| 104 | Free energies of cation-molecule complex formation and cation-solvent transfers. <i>Pure and Applied Chemistry</i> , 1990, 62, 17-23.  | 1.9 | 150       |
| 105 | The gas-phase acidity and bond dissociation energies of hydrogen telluride. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1989, 93, 87-94.   | 1.8 | 20        |
| 106 | Hydrogen-bonding. Part 4. An analysis of solute hydrogen-bond basicity, in terms of complexation constants (logK), using F1 and F2 factors, the principal components of different kinds of basicity. <i>Journal of Physical Organic Chemistry</i> , 1989, 2, 243-254.  | 1.9 | 24        |
| 107 | Hydrogen-bonding 8. Possible equivalence of solute and solvent scales of hydrogen-bond basicity of non-associated compounds. <i>Journal of Physical Organic Chemistry</i> , 1989, 2, 540-552.  | 1.9 | 59        |
| 108 | A microcalorimetric method for the measurement of enthalpies of solution of gases in liquids. <i>Thermochimica Acta</i> , 1987, 115, 67-81.  | 2.7 | 14        |

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|-----|--|-----|-----------|
| 109 | Linear solvation energy relationships. Part 32. A co-ordinate covalency parameter, $\hat{\sigma}^*$ , which, in combination with the hydrogen bond acceptor basicity parameter, $\hat{\sigma}^2$ , permits correlation of many properties of neutral oxygen and nitrogen bases (including aqueous pKa). Journal of the Chemical Society Perkin Transactions II, 1985, , 1583-1589. | 0.9 | 46        |