

# Erik T J Nibbering

## List of Publications by Year in descending order

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39  
papers

3,188  
citations

304743

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345221

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41  
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docs citations

41  
times ranked

3234  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electronic Structure Changes of an Aromatic Amine Photoacid along the First Cycle. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	6
2	Innentitelbild: Änderungen der elektronischen Struktur einer Amino-Photosäure entlang des First Zyklus ( <i>Angew. Chem.</i> 27/2022). <i>Angewandte Chemie</i> , 2022, 134, .	2.0	0
3	Shot noise limited soft x-ray absorption spectroscopy in solution at a SASE-FEL using a transmission grating beam splitter. <i>Structural Dynamics</i> , 2021, 8, 014303.	2.3	7
4	Switching between Proton Vacancy and Excess Proton Transfer Pathways in the Reaction between 7-Hydroxyquinoline and Formate. <i>Journal of Physical Chemistry A</i> , 2021, 125, 1845-1859.	2.5	10
5	Highly efficient soft x-ray spectrometer for transient absorption spectroscopy with broadband table-top high harmonic sources. <i>Structural Dynamics</i> , 2021, 8, 034302.	2.3	9
6	Vibronic Dynamics of Photodissociating ICN from Simulations of Ultrafast X-Ray Absorption Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20044-20048.	13.8	5
7	Vibronic Dynamics of Photodissociating ICN from Simulations of Ultrafast X-Ray Absorption Spectroscopy. <i>Angewandte Chemie</i> , 2020, 132, 20219-20223.	2.0	3
8	Switching Between Ultrafast Proton Vacancy and Excess Proton Transfer along a Methanol Solvent Bridge. , 2020, , .		0
9	Deciphering Photoacidity by Following Electronic Charge Distribution Changes along the Photoacid First Cycle with Time-Resolved Nitrogen K-Edge X-Ray Absorption Spectroscopy. , 2020, , .		0
10	Ultrafast Proton Transport between a Hydroxy Acid and a Nitrogen Base along Solvent Bridges Governed by the Hydroxide/Methoxide Transfer Mechanism. <i>Journal of the American Chemical Society</i> , 2019, 141, 14581-14592.	13.7	26
11	Hydrated Excess Protons in Acetonitrile/Water Mixtures: Solvation Species and Ultrafast Proton Motions. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 2287-2294.	4.6	27
12	Regioselective Ultrafast Photoinduced Electron Transfer from Naphthols to Halocarbon Solvents. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 2657-2662.	4.6	10
13	Soft X-ray Absorption Spectroscopy of Aqueous Solutions Using a Table-Top Femtosecond Soft X-ray Source. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 52-58.	4.6	66
14	Direct Determination of Absolute Absorption Cross Sections at the L-Edge of Dilute Mn Complexes in Solution Using a Transmission Flatjet. <i>Inorganic Chemistry</i> , 2018, 57, 5449-5462.	4.0	32
15	Soft X-ray Spectroscopy of the Amine Group: Hydrogen Bond Motifs in Alkylamine/Alkylammonium Acid-Base Pairs. <i>Journal of Physical Chemistry B</i> , 2018, 122, 7737-7746.	2.6	22
16	Cr L-Edge X-ray Absorption Spectroscopy of Cr(III)(acac) <sub>3</sub> in Solution with Measured and Calculated Absolute Absorption Cross Sections. <i>Journal of Physical Chemistry B</i> , 2018, 122, 7375-7384.	2.6	18
17	Aqueous Solvation of Ammonia and Ammonium: Probing Hydrogen Bond Motifs with FT-IR and Soft X-ray Spectroscopy. <i>Journal of the American Chemical Society</i> , 2017, 139, 12773-12783.	13.7	65
18	Large-amplitude transfer motion of hydrated excess protons mapped by ultrafast 2D IR spectroscopy. <i>Science</i> , 2017, 357, 491-495.	12.6	129

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19	The Hydrated Excess Proton in the Zundel Cation $\text{H}_5\text{O}_2^+$ : The Role of Ultrafast Solvent Fluctuations. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10600-10605.	13.8	73
20	Combined Experimental and Theoretical Study of the Transient IR Spectroscopy of 7-Hydroxyquinoline in the First Electronically Excited Singlet State. <i>Journal of Physical Chemistry A</i> , 2016, 120, 9378-9389.	2.5	17
21	A liquid flatjet system for solution phase soft-x-ray spectroscopy. <i>Structural Dynamics</i> , 2015, 2, 054301.	2.3	99
22	Correlating Photoacidity to Hydrogen-Bond Structure by Using the Local O-H Stretching Probe in Hydrogen-Bonded Complexes of Aromatic Alcohols. <i>Journal of Physical Chemistry A</i> , 2015, 119, 4800-4812.	2.5	26
23	Correlating Infrared and X-ray Absorption Energies for Molecular-Level Insight into Hydrogen Bond Making and Breaking in Solution. <i>Journal of Physical Chemistry B</i> , 2015, 119, 8115-8124.	2.6	11
24	Competition between excited state proton and $\text{OH}^\bullet$ transport <i>via</i> a short water wire: solvent effects open the gate. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 13047-13051.	2.8	21
25	Ultrafast Solvent-Assisted Electronic Level Crossing in 1-Naphthol. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6871-6875.	13.8	24
26	Real-Time Observation of the Formation of Excited Radical Ions in Bimolecular Photoinduced Charge Separation: Absence of the Marcus Inverted Region Explained. <i>Journal of the American Chemical Society</i> , 2013, 135, 9843-9848.	13.7	56
27	Ultrafast Excited-State Proton-Transfer Reaction of 1-Naphthol-3,6-Disulfonate and Several 5-Substituted 1-Naphthol Derivatives. <i>Journal of Physical Chemistry B</i> , 2013, 117, 4594-4603.	2.6	72
28	Ultrafast Vibrational Frequency Shifts Induced by Electronic Excitations: Naphthols in Low Dielectric Media. <i>Journal of Physical Chemistry A</i> , 2012, 116, 2775-2790.	2.5	29
29	Ultrafast Forward and Backward Electron Transfer Dynamics of Coumarin 337 in Hydrogen-Bonded Anilines As Studied with Femtosecond UV-Pump/IR-Probe Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2011, 115, 664-670.	2.5	19
30	Real-Time Observation of Carbonic Acid Formation in Aqueous Solution. <i>Science</i> , 2009, 326, 1690-1694.	12.6	255
31	Cation-Enhanced Deprotonation of Water by a Strong Photobase. <i>Israel Journal of Chemistry</i> , 2009, 49, 261-272.	2.3	29
32	Ultrafast Structural Dynamics of Water Induced by Dissipation of Vibrational Energy. <i>Journal of Physical Chemistry A</i> , 2007, 111, 743-746.	2.5	195
33	Base-Induced Solvent Switches in Acid-Base Reactions. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 1458-1461.	13.8	197
34	Solvent-Dependent Photoacidity State of Pyranine Monitored by Transient Mid-Infrared Spectroscopy. <i>ChemPhysChem</i> , 2005, 6, 625-636.	2.1	94
35	Sequential Proton Transfer Through Water Bridges in Acid-Base Reactions. <i>Science</i> , 2005, 310, 83-86.	12.6	480
36	Ultrafast Vibrational Dynamics of Hydrogen Bonds in the Condensed Phase. <i>Chemical Reviews</i> , 2004, 104, 1887-1914.	47.7	559

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37	Real-Time Observation of Bimodal Proton Transfer in Acid-Base Pairs in Water. <i>Science</i> , 2003, 301, 349-352.	12.6	408
38	Femtosecond mid-infrared spectroscopy of condensed phase hydrogen-bonded systems as a probe of structural dynamics. <i>Faraday Discussions</i> , 2003, 122, 27-40.	3.2	87
39	Electronic Structure Changes of an Aromatic Amine Photoacid along the Förster Cycle. <i>Angewandte Chemie</i> , 0, , .	2.0	0