Klaas A Zachariasse

List of Publications by Year
in descending order

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35 papers	2,739 citations	257450 24 h-index	361022 35 g-index
35 all docs	35 docs citations	35 times ranked	1593 citing authors

#	Article	IF	Citations
1	Fluorescence of 4-(Diisopropylamino)benzonitrile (DIABN) Single Crystals from 300 K down to 5 K. Intramolecular Charge Transfer Disappears below 60 K. Journal of Physical Chemistry A, 2018, 122, 6985-6996.	2.5	1
2	Absence of Intramolecular Charge Transfer with 4-Fluoro-N,N-dimethylaniline (DMA4F), Contrary to an Experimental Report Supported by Computations. Journal of Physical Chemistry A, 2017, 121, 1223-1232.	2.5	10
3	Two-State Intramolecular Charge Transfer (ICT) with 3,5-Dimethyl-4-(dimethylamino)benzonitrile (MMD) and Its Meta-Isomer mMMD. Ground State Amino Twist Not Essential for ICT. Journal of Physical Chemistry A, 2015, 119, 11820-11836.	2.5	30
4	Presence and Absence of Excited State Intramolecular Charge Transfer with the Six Isomers of Dicyano-N,N-dimethylaniline and Dicyano-(N-methyl-N-isopropyl)aniline. Journal of Physical Chemistry A, 2011, 115, 10823-10845.	2.5	16
5	Ultrafast Intramolecular Charge Transfer withN-(4-Cyanophenyl)carbazole. Evidence for a LE Precursor and Dual LE + ICT Fluorescence. Journal of Physical Chemistry A, 2010, 114, 12622-12638.	2.5	47
6	Intramolecular Charge Transfer with Fluorazene and N-Phenylpyrrole. Journal of Physical Chemistry A, 2010, 114, 1621-1632.	2.5	23
7	Pentacyano-N,N-Dimethylaniline in the Excited State. Only Locally Excited State Emission, in Spite of the Large Electron Affinity of the Pentacyanobenzene Subgroup. Journal of Physical Chemistry A, 2010, 114, 13031-13039.	2.5	14
8	Intramolecular Charge Transfer with 1-tert-Butyl-6-cyano-1,2,3,4-tetrahydroquinoline (NTC6) and Other Aminobenzonitriles. A Comparison of Experimental Vapor Phase Spectra and Crystal Structures with Calculations. Journal of the American Chemical Society, 2010, 132, 7730-7744.	13.7	53
9	Decay times of 4-(dimethylamino)benzonitrile in acetonitrile and conclusions on entropy of activation. Chemical Physics Letters, 2009, 484, 28-32.	2.6	15
10	Intramolecular Charge Transfer with 4-Fluorofluorazene and the Flexible 4-Fluoro-N-phenylpyrrole. Journal of Physical Chemistry A, 2009, 113, 9304-9320.	2.5	19
11	Counterintuitive Absence of an Excited-State Intramolecular Charge Transfer Reaction with 2,4,6-Tricyanoanilines. Experimental and Computational Results. Journal of Physical Chemistry A, 2009, 113, 2693-2710.	2.5	23
12	Intramolecular charge transfer of 4-(dimethylamino)benzonitrile probed by time-resolved fluorescence and transient absorption: No evidence for two ICT states and a Ï€Ïƒâˆ— reaction intermediate. Journal of Chemical Physics, 2009, 131, 224313.	3.0	46
13	Intramolecular Charge Transfer with the Planarized 4-Cyanofluorazene and Its Flexible Counterpart 4-Cyano-N-phenylpyrrole. Picosecond Fluorescence Decays and Femtosecond Excited-State Absorption. Journal of Physical Chemistry A, 2008, 112, 8238-8253.	2.5	26
14	Triplet State Dipole Moments of Aminobenzonitriles. Journal of Physical Chemistry A, 2008, 112, 1359-1362.	2.5	9
15	Dynamics of Ultrafast Intramolecular Charge Transfer with 1-tert-Butyl-6-cyano-1,2,3,4-tetrahydroquinoline (NTC6) inn-Hexane and Acetonitrile. Journal of Physical Chemistry A, 2007, 111, 12878-12890.	2.5	41
16	Dynamics of Ultrafast Intramolecular Charge Transfer with 4-(Dimethylamino)benzonitrile in Acetonitrile. Journal of Physical Chemistry A, 2006, 110, 2955-2969.	2.5	157
17	Ultrafast Intramolecular Charge Transfer and Internal Conversion with Tetrafluoro-aminobenzonitriles. ChemPhysChem, 2005, 6, 2307-2323.	2.1	48
18	Kinetics of Intramolecular Charge Transfer with N-Phenylpyrrole in Alkyl Cyanides. Journal of Physical Chemistry A, 2005, 109, 1497-1509.	2.5	51

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19	Intramolecular Charge Transfer with the Planarized 4-Aminobenzonitrile 1-tert-Butyl-6-cyano-1,2,3,4-tetrahydroquinoline (NTC6). Journal of the American Chemical Society, 2004, 126, 1705-1715.	13.7	177
20	Structure Determination of the Intramolecular Charge Transfer State in Crystalline 4-(Diisopropylamino)benzonitrile from Picosecond X-ray Diffraction. Journal of the American Chemical Society, 2004, 126, 5593-5600.	13.7	104
21	Fluorescence of crystalline 4-(dimethylamino)benzonitrile. Absence of dual fluorescence and observation of single-exponential fluorescence decays. Chemical Physics Letters, 2003, 380, 699-703.	2.6	19
22	Singlet excited state dipole moments of dual fluorescent N-phenylpyrroles and 4-(dimethylamino)benzonitrile from solvatochromic and thermochromic spectral shiftsDedicated to Professor Jean Kossanyi on the occasion of his 70th birthday.. Photochemical and Photobiological Sciences, 2003, 2, 342.	2.9	79
23	Thermally Activated Internal Conversion with 4-(Dimethylamino)benzonitrile, 4-(Methylamino)benzonitrile, and 4-Aminobenzonitrile in Alkane Solvents. No Correlation with Intramolecular Charge Transferâ€. Journal of Physical Chemistry A, 2003, 107, 8075-8085.	2.5	48
24	Picosecond Infrared Spectra and Structure of Locally Excited and Charge Transfer Excited States of Isotope-Labeled 4-(Dimethylamino)benzonitriles. Bulletin of the Chemical Society of Japan, 2002, 75, 957-963.	3.2	11
25	Picosecond and Nanosecond Fluorescence Decays of 4-(Dimethylamino)phenylacetylene in Comparison with Those of 4-(Dimethylamino)benzonitrile. No Evidence for Intramolecular Charge Transfer and a Nonfluorescing Intramolecular Charge-Transfer State. Journal of Physical Chemistry A, 2002, 106, 6325-6333.	2.5	31
26	Dual fluorescence and intramolecular charge transfer with crystalline 4-(diisopropylamino)benzonitrile. Chemical Physics Letters, 2001, 347, 421-428.	2.6	35
27	Fluorescence excitation spectra of jet-cooled 4-(diisopropylamino)benzonitrile and related compounds. Chemical Physics Letters, 2001, 341, 272-278.	2.6	39
28	Comment on â€œPseudo-Jahnâ€“Teller and TICT-models: a photophysical comparison of meta-and para-DMABN derivativesâ€•[Chem. Phys. Lett. 305 (1999) 8]. Chemical Physics Letters, 2000, 320, 8-13.	2.6	205
29	Dual fluorescence and fast intramolecular charge transfer with 4-(diisopropylamino)benzonitrile in alkane solvents. Chemical Physics Letters, 2000, 323, 351-360.	2.6	101
30	Intramolecular Charge Transfer in Dual Fluorescent 4-(Dialkylamino)benzonitriles. Reaction Efficiency Enhancement by Increasing the Size of the Amino and Benzonitrile Subunits by Alkyl Substituents. Journal of Physical Chemistry A, 1998, 102, 5670-5680.	2.5	194
31	Absence of dual fluorescence with 4-(dimethylamino) phenylacetylene. A comparison between experimental results and theoretical predictions. Chemical Physics Letters, 1997, 274, 372-382.	2.6	87
32	Excitedâ€state intramolecular charge transfer in donor/acceptorâ€substituted aromatic hydrocarbons and in biaryls. The significance of the redox potentials of the D/A subsystems. Recueil Des Travaux Chimiques Des Pays-Bas, 1995, 114, 430-442.	0.0	146
33	Excited-state dipole moments of dual fluorescent 4-(dialkylamino)benzonitriles: influence of alkyl chain length and effective solvent polarity. The Journal of Physical Chemistry, 1992, 96, 10809-10819.	2.9	354
34	Intramolecular charge transfer and thermal exciplex dissociation with p-aminobenzonitriles in toluene. The Journal of Physical Chemistry, 1991, 95, 2013-2021.	2.9	211
35	Investigation of micelles, microemulsions, and phospholipid bilayers with the pyridinium-N-phenolbetaine ET(30), a polarity probe for aqueous interfaces. The Journal of Physical Chemistry, 1981, 85, 2676-2683.	2.9	269