

Andreas N Unterreiner

List of Publications by Year in descending order

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Version: 2024-02-01

99
papers

1,645
citations

279798

23
h-index

361022

35
g-index

108
all docs

108
docs citations

108
times ranked

2009
citing authors

#	ARTICLE	IF	CITATIONS
1	Sequence-independent activation of photocycloadditions using two colours of light. <i>Chemical Science</i> , 2022, 13, 531-535.	7.4	9
2	Wellenlängen-Orthogonale Versteifung von Hydrogel-Netzwerken mit sichtbarem Licht. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	4
3	Wavelength-Orthogonal Stiffening of Hydrogel Networks with Visible Light. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	28
4	Experimental and Theoretical Study of the Ultrafast Dynamics of a Ni ₂ Dy ₂ Compound in DMF After UV/Vis Photoexcitation. <i>ChemistryOpen</i> , 2022, 11, e202200086.	1.9	1
5	Understanding the Photoexcitation of Room Temperature Ionic Liquids. <i>ChemistryOpen</i> , 2021, 10, 72-82.	1.9	1
6	Green-light induced cycloadditions. <i>Chemical Communications</i> , 2021, 57, 3991-3994.	4.1	15
7	UV-induced photolysis of polyurethanes. <i>Chemical Communications</i> , 2021, 57, 2911-2914.	4.1	18
8	Chain-Length-Dependent Photolysis of <i>ortho</i> -Nitrobenzyl-Centered Polymers. <i>ACS Macro Letters</i> , 2021, 10, 447-452.	4.8	10
9	d/f-Polypnictides Derived by Non-Classical Ln ²⁺ Compounds: Synthesis, Small Molecule Activation and Optical Properties. <i>Chemistry - A European Journal</i> , 2021, 27, 7862-7871.	3.3	15
10	Aqueous Conversion of Fructose Phosphate Precursor Nanoparticles into Emissive • Composite Nanoparticles. <i>ChemNanoMat</i> , 2021, 7, 916-926.	2.8	0
11	Indications for an intermolecular photo-induced excited-state proton transfer of <i>p</i> -nitrophenol in water. <i>Molecular Physics</i> , 2021, 119, .	1.7	4
12	Experimental and Theoretical Study of the Ultrafast Dynamics of a Ni ₂ Dy ₂ Compound in DMF After UV/Vis Photoexcitation. <i>ChemistryOpen</i> , 2021, , .	1.9	4
13	Revealing the Wavelength Dependence of Photochemical Reactions: Cutting-Edge Research in the Teaching Lab. <i>Journal of Chemical Education</i> , 2020, 97, 543-548.	2.3	7
14	Photocycloadditions in disparate chemical environments. <i>Chemical Communications</i> , 2020, 56, 14043-14046.	4.1	13
15	Directed Electron Transfer in Flavin Peptides with Oligoproline-type Helical Conformation as Models for Flavin-Functional Proteins. <i>ChemistryOpen</i> , 2020, 9, 1264-1269.	1.9	2
16	Evidence for ultrafast formation of tribenzoylgermyl radicals originating from tetraacylgermane photoinitiators. <i>Polymer Chemistry</i> , 2020, 11, 3972-3979.	3.9	1
17	Ultrafast Intersystem Crossing in Isolated Ag ₂₉ (BDT) ₁₂ ³⁺ Probed by Time-Resolved Pump-Probe Photoelectron Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 2675-2681.	4.6	27
18	Photoexcitation of Ge ₉ ⁺ Clusters in THF: New Insights into the Ultrafast Relaxation Dynamics and the Influence of the Cation. <i>Molecules</i> , 2020, 25, 2639.	3.8	6

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19	The influence of the FeCp(CO) ₂ ⁺ moiety on the dynamics of the metalloid [Ge ₉ (Si(SiMe ₃) ₃) ₃] ⁺ cluster in thf: synthesis and characterization by time-resolved absorption spectroscopy. Dalton Transactions, 2019, 48, 15577-15582.	3.3	18
20	Real-time Observation of Diarylethene-Based Photoswitches in a Cyclic Peptide Environment. ChemPhotoChem, 2019, 3, 265-265.	3.0	0
21	Chasing BODIPY: Enhancement of Luminescence in Homoleptic Bis(dipyrrinato) Zn ^{II} Complexes Utilizing Symmetric and Unsymmetrical Dipyrrins. Chemistry - A European Journal, 2019, 25, 3816-3827.	3.3	21
22	Real-time Observation of Diarylethene-Based Photoswitches in a Cyclic Peptide Environment. ChemPhotoChem, 2019, 3, 403-410.	3.0	19
23	More than Expected: Overall Initiation Efficiencies of Mono-, Bis-, and Tetraacylgermane Radical Initiators. Macromolecules, 2019, 52, 281-291.	4.8	19
24	Installing lactone chain termini during photoinduced polymerization. Polymer Chemistry, 2018, 9, 3336-3341.	3.9	3
25	Ultrafast stimulated emission of nitrophenolates in organic and aqueous solutions. Physical Chemistry Chemical Physics, 2018, 20, 10713-10720.	2.8	5
26	Significant Fluorescence Enhancement of <i>N,N</i> -Dimethylaminobenzophenone after Embedding as a C-Nucleoside in DNA. ChemPhotoChem, 2018, 2, 12-17.	3.0	11
27	A Priori Prediction of Mass Spectrometric Product Patterns of Photoinitiated Polymerizations. ACS Macro Letters, 2018, 7, 132-136.	4.8	8
28	Phenanthroline-A Versatile Ligand for Advanced Functional Polymeric Materials. Chemistry - A European Journal, 2018, 24, 17369-17369.	3.3	1
29	Phenanthroline-A Versatile Ligand for Advanced Functional Polymeric Materials. Chemistry - A European Journal, 2018, 24, 17475-17486.	3.3	16
30	Dimolybdenum Paddlewheel as Scaffold for Heteromultimetallic Complexes: Synthesis and Photophysical Properties. Inorganic Chemistry, 2018, 57, 9364-9375.	4.0	6
31	An In-Depth Mechanistic Investigation of the Radical Initiation Behavior of Monoacylgermanes. Macromolecules, 2017, 50, 8894-8906.	4.8	24
32	Bis(mesityl)phosphinic acid: photo-triggered release of metaphosphorous acid in solution. Chemical Communications, 2016, 52, 9917-9920.	4.1	17
33	Time-resolved photoelectron spectroscopy of a dinuclear Pt(II) complex: Tunneling autodetachment from both singlet and triplet excited states of a molecular dianion. Journal of Chemical Physics, 2016, 144, 054305.	3.0	17
34	Photophysical Properties of Benzoylgermane and <i>para</i> -Substituted Derivatives: Substituent Effects on Electronic Transitions. ChemPhysChem, 2016, 17, 3460-3469.	2.1	17
35	Study of Model Systems for Bilirubin and Bilin Chromophores: Determination and Modification of Thermal and Photochemical Properties. Journal of Organic Chemistry, 2016, 81, 6292-6302.	3.2	12
36	Toward a Quantitative Description of Radical Photoinitiator Structure-Reactivity Correlations. Macromolecules, 2016, 49, 80-89.	4.8	50

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37	UV photoexcitation of a dissolved metalloid Ge ₉ cluster compound and its extensive ultrafast response. <i>Chemical Communications</i> , 2015, 51, 12278-12281.	4.1	11
38	Acceleration of Long-Range Photoinduced Electron Transfer through DNA by Hydroxyquinolines as Artificial Base Pairs. <i>ChemPhysChem</i> , 2015, 16, 1607-1612.	2.1	9
39	Ultrafast Dynamics of <i>o</i> -Nitrophenol: An Experimental and Theoretical Study. <i>Journal of Physical Chemistry A</i> , 2015, 119, 9225-9235.	2.5	33
40	Unraveling the Influence of Lanthanide Ions on Intra- and Inter-Molecular Electronic Processes in Fe ₁₀ /Ln ₁₀ Nano-Toruses. <i>Advanced Functional Materials</i> , 2014, 24, 6280-6290.	14.9	44
41	Lanthanides: Unraveling the Influence of Lanthanide Ions on Intra- and Inter-Molecular Electronic Processes in Fe ₁₀ /Ln ₁₀ Nano-Toruses (<i>Adv. Funct. Mater.</i> 40/2014). <i>Advanced Functional Materials</i> , 2014, 24, 6279-6279.	14.9	0
42	Synthesis and Application of Photolithographically Patternable Deep Blue Emitting Poly(3,6-Dimethoxy-9,9-dialkylsilafluorene)s. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 83-93.	8.0	21
43	Studying the polymerization initiation efficiency of acetophenone-type initiators via PLP-ESI-MS and femtosecond spectroscopy. <i>Polymer Chemistry</i> , 2014, 5, 5053-5068.	3.9	33
44	Hexamethylcyclopentadiene: time-resolved photoelectron spectroscopy and ab initio multiple spawning simulations. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 11770-11779.	2.8	35
45	Electron tunneling from electronically excited states of isolated bisdisulizole-derived trianion chromophores following UV absorption. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 6726.	2.8	18
46	Ultrafast photoinduced dynamics of halogenated cyclopentadienes: observation of geminate charge-transfer complexes in solution. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 6673.	2.8	5
47	Fluorescence Quenching over Short Range in a Donor-DNA-Acceptor System. <i>ChemPhysChem</i> , 2013, 14, 1197-1204.	2.1	3
48	Ultrafast Dynamics of <i>meso</i> -Tetraphenylmetalloporphyrins: The Role of Dark States. <i>ChemPlusChem</i> , 2013, 78, 1244-1251.	2.8	13
49	Substituent Effects on Dynamics at Conical Intersections: Cycloheptatrienes. <i>Journal of Physical Chemistry A</i> , 2013, 117, 10239-10247.	2.5	19
50	Three-dimensional multi-photon direct laser writing with variable repetition rate. <i>Optics Express</i> , 2013, 21, 26244.	3.4	129
51	On the origin of high transient anisotropies: An exemplification in a Cd-porphyrin. <i>Journal of Chemical Physics</i> , 2013, 139, 224309.	3.0	3
52	On Ligand Binding Energies in Porphyrinic Systems. <i>Zeitschrift Fur Physikalische Chemie</i> , 2013, 227, 35-48.	2.8	6
53	The interplay of different relaxation channels in the excited state dynamics of photoinitiators. <i>EPJ Web of Conferences</i> , 2013, 41, 05008.	0.3	0
54	Transient Anisotropy in Degenerate Systems: Experimental Observation in a Cd-porphyrin. <i>EPJ Web of Conferences</i> , 2013, 41, 05014.	0.3	2

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55	Depletion Mechanisms in STED-inspired Lithography. , 2012, , .		0
56	Resonant tunneling through the repulsive Coulomb barrier of a quadruply charged molecular anion. Physical Review A, 2012, 85, .	2.5	27
57	Elucidating the Early Steps in Photoinitiated Radical Polymerization via Femtosecond Pump-probe Experiments and DFT Calculations. Macromolecules, 2012, 45, 2257-2266.	4.8	37
58	Ultrafast Dynamics of the First Excited-State of Quasi Monodispersed Single-Walled (9,7) Carbon Nanotubes. Journal of Physical Chemistry C, 2011, 115, 23711-23717.	3.1	1
59	Pump-probe spectroscopy on photoinitiators for stimulated-emission-depletion optical lithography. Optics Letters, 2011, 36, 3188.	3.3	54
60	Transient anisotropy in degenerate systems: A semi-classical approach. Zeitschrift Fur Physikalische Chemie, 2011, 225, 927-938.	2.8	6
61	Relaxation Dynamics of Electronically Excited C ₆₀ in o-Dichlorobenzene and Tetrahydrofuran Solution. Zeitschrift Fur Physikalische Chemie, 2011, 225, 939-956.	2.8	1
62	Novel Lanthanide-Based Polymeric Chains and Corresponding Ultrafast Dynamics in Solution. Inorganic Chemistry, 2011, 50, 11990-12000.	4.0	48
63	Photochemical processes in ionic liquids on ultrafast timescales. Physical Chemistry Chemical Physics, 2010, 12, 1698.	2.8	37
64	The influence of rotational diffusion on transient anisotropy in ultrafast experiments. Physical Chemistry Chemical Physics, 2010, 12, 655-666.	2.8	9
65	Vibrational cooling in the liquid phase studied by ultrafast investigations of cycloheptatriene. Molecular Physics, 2009, 107, 2159-2167.	1.7	5
66	Photodissociation dynamics of IrBr ₆ ²⁻ dianions by time-resolved photoelectron spectroscopy. Journal of Chemical Physics, 2009, 130, 234306.	3.0	20
67	Femtosecond UV Excitation in Imidazolium-Based Ionic Liquids. Journal of Physical Chemistry B, 2008, 112, 15718-15724.	2.6	26
68	Near-Infrared Excitation of the Q _y Band in Free Base and Zinc Tetraaryl-porphyrins. Journal of Physical Chemistry A, 2008, 112, 1719-1729.	2.5	35
69	Femtosecond spectroscopy of solvated electrons from sodium-ammonia-d ₃ solutions: Temperature jump versus local density jump. Journal of Chemical Physics, 2008, 129, 064514.	3.0	12
70	Time-resolved polaron dynamics in molten solutions of cesium-doped cesium iodide. Journal of Chemical Physics, 2007, 127, 184509.	3.0	6
71	Femtosecond Transient Absorption Spectroscopy of Single-Walled Carbon Nanotubes and their Ultrafast Optical Switching Behavior. Solid State Phenomena, 2007, 121-123, 905-908.	0.3	3
72	Ultrafast Relaxation Dynamics of Perchlorinated Cycloheptatriene in Solution. Journal of Physical Chemistry A, 2007, 111, 3231-3240.	2.5	7

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73	Ultrafast Dynamics of Room Temperature Ionic Liquids after Ultraviolet Femtosecond Excitation. Journal of Physical Chemistry B, 2007, 111, 4830-4836.	2.6	20
74	Excited state dynamics of metastable phthalocyanine-tetrasulfonate tetra-anions probed by pump/probe photoelectron spectroscopy. Journal of Chemical Physics, 2007, 127, 184301.	3.0	33
75	Ga ₂₄ Br ₁₈ Se ₂ : A Highly Symmetrical Metalloid Cluster and Its One-Dimensional Arrangement in the Crystalline State as a Model for the Photoconductivity of Solid GaSe. Angewandte Chemie - International Edition, 2007, 46, 6549-6552.	13.8	14
76	Evidence for laser-induced formation of solvated electrons in room temperature ionic liquids. Physical Chemistry Chemical Physics, 2006, 8, 3192.	2.8	17
77	Relaxation Dynamics upon Ultrashort UV Photo-Excitation of an Iodide Doped Ionic Liquid and of a Pure Lithium Iodide Melt. Zeitschrift Fur Physikalische Chemie, 2006, 220, 1235-1246.	2.8	9
78	Femtosecond Relaxation Dynamics of Solvated Electrons in Liquid Ammonia. ChemPhysChem, 2006, 7, 363-369.	2.1	40
79	One-photon photodetachment of I ⁻ in glycerol: Spectra and yield of solvated electrons in the temperature range 329.5-336 K. Journal of Chemical Physics, 2006, 125, 164512.	3.0	9
80	Femtosecond pump/probe photoelectron spectroscopy of isolated C60 negative ions. Journal of Chemical Physics, 2006, 125, 074312.	3.0	22
81	Pump-Probe Spectroscopy of Cycloheptatriene: Transient Anisotropy and Isotope Effect. Zeitschrift Fur Physikalische Chemie, 2005, 219, 389-398.	2.8	6
82	Femtosecond transient absorption spectroscopy of single-walled carbon nanotubes in aqueous surfactant suspensions: Determination of the lifetime of the lowest excited state. Physical Chemistry Chemical Physics, 2005, 7, 512.	2.8	22
83	Ultrafast dynamics of excess electrons in molten salts: Part II. Femtosecond investigations of Na ⁺ NaBr and Na ⁺ NaI melts. Physical Chemistry Chemical Physics, 2005, 7, 3963.	2.8	6
84	Evidence of ultrafast optical switching behaviour in individual single-walled carbon nanotubes. Physical Chemistry Chemical Physics, 2004, 6, 2387.	2.8	18
85	Femtosecond dynamics of excess electrons in a molten Na-NaBr system. , 2004, , 249-252.		0
86	Ultrafast dynamics of excess electrons in a molten salt: Femtosecond investigation of K ⁺ KCl melts. Physical Chemistry Chemical Physics, 2003, 5, 2934-2937.	2.8	8
87	The rate coefficient of the C ₃ H ₃ ⁺ +C ₃ H ₃ reaction from UV absorption measurements after photolysis of dipropargyl oxalate. Physical Chemistry Chemical Physics, 2003, 5, 4641-4646.	2.8	30
88	Ultrafast Relaxation Dynamics of the Solvated Electron in Liquid Ammonia. Springer Series in Chemical Physics, 2003, , 468-470.	0.2	1
89	ULTRAFAST DYNAMICS OF SOLVATED ELECTRONS IN LIQUID AMMONIA SOLUTIONS. , 2002, , .		0
90	Ultrafast Dephasing of Photoexcited Polarons in Primary Doped Polyaniline. Journal of Physical Chemistry B, 2002, 106, 12866-12873.	2.6	11

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91	Temperature-dependent studies of solvated electrons in liquid water with two and three femtosecond pulse sequences. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 4412-4419.	2.8	22
92	Ultrafast relaxation dynamics of the solvated electron in liquid ammonia. , 2002, , .		0
93	Ultrafast Dephasing of Single Nanoparticles Studied by Two-Pulse Second-Order Interferometry. <i>Journal of Physical Chemistry B</i> , 2001, 105, 2135-2142.	2.6	75
94	Ultrafast dynamics of solvated electrons in polar liquids. <i>Journal of Physics Condensed Matter</i> , 2000, 12, A165-A171.	1.8	5
95	Reply to the "Comment on "Direct time-resolved UV-absorption study on the ultrafast internal conversion of cycloheptatriene in solution" by S. A. Trushin, W. Fu and W. E. Schmid, <i>Phys. Chem. Chem. Phys.</i> , 2000, 2, 1435. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 1437-1438.	2.8	0
96	Direct time-resolved UV-absorption study on the ultrafast internal conversion of cycloheptatriene in solution. <i>Physical Chemistry Chemical Physics</i> , 1999, 1, 5129-5132.	2.8	14
97	Transient spectra, formation, and geminate recombination of solvated electrons in pure water UV-photolysis: an alternative view. <i>Physical Chemistry Chemical Physics</i> , 1999, 1, 5633-5642.	2.8	58
98	Femtosecond-pulse cavity-dumped solid-state oscillator design and application to ultrafast microscopy. <i>Applied Optics</i> , 1999, 38, 7386.	2.1	28
99	Kinetic investigations of the reactions of toluene and of p-xylene with molecular oxygen between 1050 and 1400 K. <i>Proceedings of the Combustion Institute</i> , 1998, 27, 211-218.	0.3	26