

Martin Goez

List of Publications by Year in descending order

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62
papers

1,422
citations

361413

20
h-index

395702

33
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67
all docs

67
docs citations

67
times ranked

1006
citing authors

#	ARTICLE	IF	CITATIONS
1	The radicals of quercetin-derived antioxidants in Triton X-100 micelles. <i>Physical Chemistry Chemical Physics</i> , 2022, , .	2.8	0
2	Do equilibrium and rate constants of intramolecular reactions depend on micelle size?. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 9709-9714.	2.8	2
3	Pyrene- α -viologen complexes in SDS micelles: quenching parameters and use as probes of aggregation numbers. <i>Photochemical and Photobiological Sciences</i> , 2020, 19, 71-79.	2.9	5
4	Laser Access to Quercetin Radicals and Their Repair by Co-antioxidants. <i>Chemistry - A European Journal</i> , 2020, 26, 17428-17436.	3.3	2
5	How the sustainable solvent water unleashes the photoredox catalytic potential of ruthenium polypyridyl complexes for pinacol couplings. <i>Green Chemistry</i> , 2019, 21, 4470-4474.	9.0	32
6	Laser-Induced Wurtz-Type Syntheses with a Metal-Free Photoredox Catalytic Source of Hydrated Electrons. <i>Chemistry - A European Journal</i> , 2019, 25, 9991-9996.	3.3	14
7	Combined static and dynamic intramolecular fluorescence quenching: effects on stationary and time-resolved Stern-Volmer experiments. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 10075-10085.	2.8	20
8	Resveratrol Radical Repair by Vitamin C at the Micelle-Water Interface: Unexpected Reaction Rates Explained by Ion-Dipole Interactions. <i>Chemistry - A European Journal</i> , 2018, 24, 3038-3044.	3.3	13
9	A Green-LED Driven Source of Hydrated Electrons Characterized from Microseconds to Hours and Applied to Cross-Couplings. <i>Chemistry - A European Journal</i> , 2018, 24, 9833-9840.	3.3	15
10	Generating Hydrated Electrons for Chemical Syntheses by Using a Green Light-Emitting Diode (LED). <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1078-1081.	13.8	53
11	First Micelle-Free Photoredox Catalytic Access to Hydrated Electrons for Syntheses and Remediations with a Visible LED or even Sunlight. <i>Chemistry - A European Journal</i> , 2018, 24, 17557-17567.	3.3	19
12	Micellized Tris(bipyridine)ruthenium Catalysts Affording Preparative Amounts of Hydrated Electrons with a Green Light-Emitting Diode. <i>Chemistry - A European Journal</i> , 2018, 24, 13259-13269.	3.3	17
13	Generating Hydrated Electrons for Chemical Syntheses by Using a Green Light-Emitting Diode (LED). <i>Angewandte Chemie</i> , 2018, 130, 1090-1093.	2.0	19
14	Combined static and dynamic quenching in micellar systems—closed-form integrated rate laws verified using a versatile probe. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 8735-8741.	2.8	10
15	Green-light ionization of 3-aminoperylene in SDS micelles—a promising access to hydrated electrons despite a myth debunked. <i>Photochemical and Photobiological Sciences</i> , 2017, 16, 185-192.	2.9	13
16	Laboratory-scale photoredox catalysis using hydrated electrons sustainably generated with a single green laser. <i>Chemical Science</i> , 2017, 8, 7510-7520.	7.4	45
17	3-Aminoperylene and ascorbate in aqueous SDS, one green laser flash and action! Sustainably detoxifying a recalcitrant chloro-organic. <i>Photochemical and Photobiological Sciences</i> , 2017, 16, 1613-1622.	2.9	27
18	Photoionization access to cyclodextrin-encapsulated resveratrol phenoxy radicals and their repair by ascorbate across the phase boundary. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 20802-20811.	2.8	11

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19	Sustainable, inexpensive and easy-to-use access to the super-reductant $e\ddot{a}^{-}$ aq through 355 nm photoionization of the ascorbate dianion – an alternative to radiolysis or UV-C photochemistry. <i>Green Chemistry</i> , 2016, 18, 4761-4771.	9.0	24
20	Combining energy and electron transfer in a supramolecular environment for the “green” generation and utilization of hydrated electrons through photoredox catalysis. <i>Chemical Science</i> , 2016, 7, 3862-3868.	7.4	67
21	Generating hydrated electrons through photoredox catalysis with 9-anthrolate. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 13829-13836.	2.8	19
22	A new approach to elucidating repair reactions of resveratrol. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 13915-13920.	2.8	11
23	Highly efficient green-light ionization of an aryl radical anion: key step in a catalytic cycle of electron formation. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 25342-25349.	2.8	25
24	An “All-Green” Catalytic Cycle of Aqueous Photoionization. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9914-9916.	13.8	51
25	The Influence of Sodium Dodecyl Sulfate on the Photoionization of the Ruthenium(tris)bipyridine Dication. <i>Zeitschrift Fur Physikalische Chemie</i> , 2014, 228, 193-207.	2.8	2
26	Laser flash photolysis with back-reflected excitation light – Analysis and experimental verification of the improvements in excitation intensity and homogeneity by a retroreflector. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013, 262, 1-6.	3.9	2
27	Electron and hydrogen self-exchange of free radicals of sterically hindered tertiary aliphatic amines investigated by photo-CIDNP. <i>Beilstein Journal of Organic Chemistry</i> , 2013, 9, 437-446.	2.2	5
28	Counterintuitive Influence of Protonation on Radical Anion Photoionization. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12606-12608.	13.8	16
29	Elucidating Organic Reaction Mechanisms Using Photo-CIDNP Spectroscopy. <i>Topics in Current Chemistry</i> , 2012, 338, 1-32.	4.0	22
30	Cavity enhanced detection methods for probing the dynamics of spin correlated radical pairs in solution. <i>Molecular Physics</i> , 2010, 108, 993-1003.	1.7	14
31	Quenching Mechanisms and Diffusional Pathways in Micellar Systems Unravalled by Time-Resolved Magnetic Field Effects. <i>Chemistry - A European Journal</i> , 2009, 15, 6058-6064.	3.3	8
32	Chapter 3 Photo-CIDNP Spectroscopy. <i>Annual Reports on NMR Spectroscopy</i> , 2009, 66, 77-147.	1.5	64
33	The photoreduction of $[Ru(bpy)_3]^{3+}$ investigated by two-pulse two-colour laser-flash photolysis. <i>Chemical Physics Letters</i> , 2007, 447, 352-357.	2.6	3
34	A pre-existing hydrophobic collapse in the unfolded state of an ultrafast folding protein. <i>Nature</i> , 2007, 447, 106-109.	27.8	148
35	Photoinduced electron transfer sensitization investigated by chemically induced dynamic nuclear polarization (CIDNP). <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 5294.	2.8	8
36	Novel pulse sequences for time-resolved photo-CIDNP. <i>Molecular Physics</i> , 2006, 104, 1675-1686.	1.7	13

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37	Efficient Photoionization of a Norrish II Diradical. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 2135-2138.	13.8	4
38	Olefin Isomerization via Radical-Ion Pairs in Triplet States Studied by Chemically Induced Dynamic Nuclear Polarization (CIDNP). <i>Helvetica Chimica Acta</i> , 2006, 89, 2183-2199.	1.6	14
39	Photo-CIDNP experiments with an optimized presaturation pulse train, gated continuous illumination, and a background-nulling pulse grid. <i>Journal of Magnetic Resonance</i> , 2005, 177, 236-246.	2.1	21
40	Increasing the sensitivity of time-resolved photo-CIDNP experiments by multiple laser flashes and temporary storage in the rotating frame. <i>Journal of Magnetic Resonance</i> , 2005, 177, 139-145.	2.1	15
41	A comparative study of triplet and radical-anion photoionization of propiophenone. <i>Chemical Physics</i> , 2004, 307, 15-26.	1.9	12
42	Photoionization of xanthone via its triplet state or via its radical anion. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 5490.	2.8	29
43	Photoionization of [Ru(bpy) ₃] ²⁺ : A Catalytic Cycle with Water as Sacrificial Donor. <i>Journal of Physical Chemistry A</i> , 2004, 108, 1090-1100.	2.5	26
44	CIDNP Determination of the Rate of In-Cage Deprotonation of the Triethylamine Radical Cation. <i>Journal of Physical Chemistry A</i> , 2003, 107, 8539-8546.	2.5	24
45	Activation Energy of a Biradical Rearrangement Measured by Photo-CIDNP. <i>Journal of Physical Chemistry A</i> , 2002, 106, 8079-8084.	2.5	16
46	Near-UV Photoionization of [Ru(bpy) ₃] ²⁺ : A Catalytic Cycle with an Excited Species as Catalyst. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 1535-1538.	13.8	17
47	Light intensity dependence of a two-photon catalytic cycle: photoionization via absorption "electron transfer" absorption. <i>Chemical Physics</i> , 2000, 256, 107-116.	1.9	18
48	CIDNP Investigation of Radical Decay Pathways in the Sensitized Photolysis of Triphenylsulfonium Salts. <i>Journal of the American Chemical Society</i> , 1999, 121, 2274-2280.	13.7	13
49	Sensitized Photolysis of Iodonium Salts Studied by CIDNP. Solvent Dependence and Influence of Lipophilic Substituents. <i>Journal of Physical Chemistry A</i> , 1999, 103, 5714-5721.	2.5	16
50	Two-Photon Ionization of 1,5-Anthraquinonedisulfonate via Photoinduced Electron Transfer. <i>Journal of Physical Chemistry A</i> , 1999, 103, 9605-9613.	2.5	18
51	CIDNP Spectroscopic Observation of (S: +N) Radical Cations with a Two-Center Three-Electron Bond During the Photooxidation of Methionine. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 628-630.	13.8	30
52	Reversible Pair Substitution in CIDNP: The Radical Cation of Methionine. <i>Journal of Physical Chemistry A</i> , 1998, 102, 7945-7953.	2.5	21
53	Photoionization via Absorption/Electron Transfer/Absorption Studied by Two-Pulse Two-Color Laser Flash Photolysis. <i>Journal of the American Chemical Society</i> , 1998, 120, 5347-5348.	13.7	34
54	Absorption/Electron Transfer/Absorption " An Efficient Pathway to Hydrated Electrons in Laser Flash Photolysis. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 2664-2666.	4.4	17

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55	Photoinduced Electron Transfer Reactions of Aryl Olefins. 2. $\text{Cis} \rightarrow \text{Trans}$ Isomerization and Cycloadduct Formation in Anethole \rightarrow Fumaronitrile Systems in Polar Solvents. <i>Journal of the American Chemical Society</i> , 1996, 118, 140-154.	13.7	30
56	Photoinduced Electron Transfer, Decarboxylation, and Radical Fragmentation of Cysteine Derivatives: A Chemically Induced Dynamic Nuclear Polarization Study. <i>Journal of the American Chemical Society</i> , 1996, 118, 2882-2891.	13.7	26
57	Photocycloadditions of Quinones with Quadricyclane and Norbornadiene. A Mechanistic Study. <i>Journal of the American Chemical Society</i> , 1995, 117, 10486-10502.	13.7	20
58	Control of the Deprotonation Route of an Aminium Cation by the Solvent Polarity. <i>Chemische Berichte</i> , 1994, 127, 2273-2276.	0.2	14
59	Deprotonation of aminium cations $\hat{=}$ a CIDNP study of relative group reactivities. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1994, 84, 1-12.	3.9	8
60	Photoinduced Electron-Transfer Reactions of Aryl Olefins. 1. Investigation of the Paterno-Buechi Reaction between Quinones and Anetholes in Polar Solvents. <i>Journal of the American Chemical Society</i> , 1994, 116, 11999-12009.	13.7	44
61	Photo-CIDNP investigation of the deprotonation of aminium cations. <i>Journal of the American Chemical Society</i> , 1993, 115, 11123-11133.	13.7	58
62	The Degenerate Electron Exchange between N,N-Dimethylanilines and their Radical Cations. <i>Zeitschrift Fur Physikalische Chemie</i> , 1990, 169, 133-145.	2.8	19