

Peter Gilch

List of Publications by Year in descending order

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36
papers

1,378
citations

471509

17
h-index

395702

33
g-index

39
all docs

39
docs citations

39
times ranked

1436
citing authors

#	ARTICLE	IF	CITATIONS
1	Thymine Dimerization in DNA Is an Ultrafast Photoreaction. <i>Science</i> , 2007, 315, 625-629.	12.6	496
2	Early Events of DNA Photodamage. <i>Annual Review of Physical Chemistry</i> , 2015, 66, 497-519.	10.8	166
3	Thymine Dimerization in DNA Model Systems: Cyclobutane Photolesion Is Predominantly Formed via the Singlet Channel. <i>Journal of the American Chemical Society</i> , 2009, 131, 5038-5039.	13.7	105
4	The Photochemistry of o-Nitrobenzaldehyde as Seen by Femtosecond Vibrational Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 7901-7904.	13.8	81
5	On the Mechanism of Intramolecular Sensitization of Photocleavage of the 2-(2-Nitrophenyl)propoxycarbonyl (NPPOC) Protecting Group. <i>Journal of the American Chemical Society</i> , 2007, 129, 12148-12158.	13.7	61
6	Thioxanthone in apolar solvents: ultrafast internal conversion precedes fast intersystem crossing. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 6637-6647.	2.8	56
7	Mechanism of the Decay of Thymine Triplets in DNA Single Strands. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 1616-1622.	4.6	38
8	Ultrafast irreversible phototautomerization of o-nitrobenzaldehyde. <i>Chemical Communications</i> , 2011, 47, 6383.	4.1	33
9	Chimeric Behavior of Excited Thioxanthone in Protic Solvents: II. Theory. <i>Journal of Physical Chemistry A</i> , 2014, 118, 11708-11717.	2.5	33
10	The photoformation of a phthalide: a ketene intermediate traced by FSRS. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 376-386.	2.8	29
11	Impact of vibrational excitation on the kinetics of a nascent ketene. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 11596.	2.8	26
12	Broadband stimulated Raman microscopy with 0.1 ns pixel acquisition time. <i>Optics Letters</i> , 2016, 41, 3023.	2.3	23
13	Decay Pathways of Thymine Revisited. <i>Journal of Physical Chemistry A</i> , 2018, 122, 4819-4828.	2.5	23
14	Excitation Energy Transfer and Exchange-Mediated Quartet State Formation in Porphyrin-Triptyl Systems. <i>Chemistry - A European Journal</i> , 2021, 27, 2683-2691.	3.3	22
15	The Photoaddition of a Psoralen to DNA Proceeds via the Triplet State. <i>Journal of the American Chemical Society</i> , 2019, 141, 13643-13653.	13.7	21
16	The Ugi Four-Component Reaction Route to Photoinducible Electron-Transfer Systems. <i>ChemPlusChem</i> , 2013, 78, 137-141.	2.8	20
17	The Excited-State Decay of 5-Methyl-2(1H)-pyrimidinone is an Activated Process. <i>ChemPhysChem</i> , 2011, 12, 1880-1888.	2.1	18
18	Triplet Harvesting with a Simple Aromatic Carbonyl. <i>ChemPhysChem</i> , 2017, 18, 2314-2317.	2.1	17

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19	Photoinduced Electron Transfer between Psoralens and DNA: Influence of DNA Sequence and Substitution. <i>ChemPhysChem</i> , 2016, 17, 1377-1386.	2.1	14
20	Impact of Mono-Fluorination on the Photophysics of the Flavin Chromophore. <i>Photochemistry and Photobiology</i> , 2018, 94, 667-676.	2.5	14
21	Accessing the triplet state of perylene diimide by radical-enhanced intersystem crossing. <i>Chemical Science</i> , 2022, 13, 6732-6743.	7.4	14
22	DNA Intercalated Psoralen Undergoes Efficient Photoinduced Electron Transfer. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 1260-1264.	4.6	13
23	Tracing the Photoaddition of Pharmaceutical Psoralens to DNA. <i>Molecules</i> , 2020, 25, 5242.	3.8	11
24	Femtosecond Spectroscopy of Calcium Dipicolinate – A Major Component of Bacterial Spores. <i>Journal of Physical Chemistry B</i> , 2016, 120, 9376-9386.	2.6	9
25	Uptake of Methanol by Poly(methyl methacrylate): An Old Problem Addressed by a Novel Raman Technique. <i>Macromolecules</i> , 2019, 52, 4997-5005.	4.8	7
26	On the large apparent Stokes shift of phthalimides. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 4839-4853.	2.8	7
27	Acridones: Strongly Emissive HIGHrISC Fluorophores. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 5703-5709.	4.6	6
28	Triplet Harvesting with a Simple Aromatic Carbonyl. <i>ChemPhysChem</i> , 2017, 18, 2305-2305.	2.1	4
29	Pyrimidinone: versatile Trojan horse in DNA photodamage?. <i>Photochemical and Photobiological Sciences</i> , 2015, 14, 1598-1606.	2.9	3
30	The Photophysics of Dibenzo[<i>a,j</i>]phenazine. <i>ChemPhotoChem</i> , 2021, 5, 335-347.	3.0	3
31	Synthesis and Photophysics of Water-Soluble Psoralens with Red-Shifted Absorption. <i>Photochemistry and Photobiology</i> , 2021, 97, 1534-1547.	2.5	3
32	First Order Kinetics Visualized by Capillary Flow and Simple Data Acquisition. <i>Journal of Chemical Education</i> , 2018, 95, 487-491.	2.3	1
33	Optimized amplitude modulation in femtosecond stimulated Raman microscopy. <i>Optics Letters</i> , 2020, 45, 4204.	3.3	1
34	Fast Spectroscopy of Biosystems. <i>ChemPhysChem</i> , 2016, 17, 1218-1219.	2.1	0
35	The Photophysics of Dibenzo[<i>a,j</i>]phenazine. <i>ChemPhotoChem</i> , 2021, 5, 297-297.	3.0	0
36	Physical Chemists Run on Coffee. <i>ChemistryViews</i> , 0, , .	0.0	0