Mikkel BregnhÃ¸j

List of Publications by Year
in descending order

41 papers	897 citations	516710 16 h-index	477307 29 g-index
45 all docs	45 docs citations	45 times ranked	1153 citing authors

#	Article	IF	Citations
1	Molecular Oxygen in Photoresponsive Organic Materials. , 2022, , 121-148.		4
2	Electrostatics Trigger Interfacial Self-Assembly of Bacterial Ice Nucleators. Biomacromolecules, 2022, 23, 505-512.	5.4	7
3	Tutorials in vibrational sum frequency generation spectroscopy. I. The foundations. Biointerphases, 2022, 17, 011201.	1.6	17
4	Tutorials in vibrational sum frequency generation spectroscopy. II. Designing a broadband vibrational sum frequency generation spectrometer. Biointerphases, 2022, 17, 011202.	1.6	19
5	Structure and Orientation of the SARS-Coronavirus-2 Spike Protein at Airâ€“Water Interfaces. Journal of Physical Chemistry B, 2022, 126, 3425-3430.	2.6	3
6	X³Î£_g^{â€“} â† b¹Î£_g⁺ Absorption Spectra of Molecular Oxygen in Liquid Organic Solvents at Atmospheric Pressure. Journal of Physical Chemistry A, 2022, 126, 3839-3845.	2.5	5
7	The Diatom Peptide R5 Fabricates Two-Dimensional Titanium Dioxide Nanosheets. Journal of Physical Chemistry Letters, 2022, 13, 5025-5029.	4.6	2
8	Synergistic effect of carotenoid and silicone-based additives for photooxidatively stable organic solar cells with enhanced elasticity. Journal of Materials Chemistry C, 2021, 9, 11838-11850.	5.5	7
9	The primary photo-dissociation dynamics of lactate in aqueous solution: decarboxylation prevents dehydroxylation. Physical Chemistry Chemical Physics, 2021, 23, 4555-4568.	2.8	8
10	Ice-nucleating proteins are activated by low temperatures to control the structure of interfacial water. Nature Communications, 2021, 12, 1183.	12.8	40
11	Photophysics of a protein-bound derivative of malachite green that sensitizes the production of singlet oxygen. Photochemical and Photobiological Sciences, 2021, 20, 435-449.	2.9	5
12	A liquid surface height controller for surface spectroscopy. Review of Scientific Instruments, 2021, 92, 094104.	1.3	3
13	Assembly of iron oxide nanosheets at the airâ€“water interface by leucineâ€“histidine peptides. RSC Advances, 2021, 11, 27965-27968.	3.6	3
14	Oxygen-dependent photophysics and photochemistry of prototypical compounds for organic photovoltaics: inhibiting degradation initiated by singlet oxygen at a molecular level. Methods and Applications in Fluorescence, 2020, 8, 014001.	2.3	22
15	Light-initiated oxidative stress. , 2020, , 363-388.		6
16	Oxygen- and pH-Dependent Photophysics of Fluorinated Fluorescein Derivatives: Non-Symmetrical vs. Symmetrical Fluorination. Sensors, 2020, 20, 5172.	3.8	6
17	Uric Acid: A Lessâ€thanâ€Perfect Probe for Singlet Oxygen. Photochemistry and Photobiology, 2019, 95, 202-210.	2.5	16
18	Two-Photon Excitation of Neat Aerated Solvents with Visible Light Produces Singlet Oxygen. Journal of Physical Chemistry A, 2019, 123, 7567-7575.	2.5	6

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19	Biomimetic Approach to Inhibition of Photooxidation in Organic Solar Cells Using Beta-Carotene as an Additive. ACS Applied Materials & Interfaces, 2019, 11, 41570-41579.	8.0	34
20	Comment on â€œBi-functional Li₂B₁₂H₁₂ for energy storage and conversion applications: solid-state electrolyte and luminescent down-conversion dyeâ€•by J. A. Teprovich Jr, H. ColÃ³n-Mercado, A. L. Washington II, P. A. Ward, S. Greenway, D. M. Missimer, H. Hartman, J. Velten, J. H. Christian and R. Zidan, J. Mater. Chem. A, 2015, 3, 22853. Journal of Materials Chemistry A, 2019, 7, 4185-4187.	10.3	7
21	Tungsten Iodide Clusters as Singlet Oxygen Photosensitizers: Exploring the Domain of Resonant Energy Transfer at 1 eV. Journal of Physical Chemistry A, 2019, 123, 1730-1739.	2.5	11
22	Single mutation in a novel bacterial LOV protein yields a singlet oxygen generator. Photochemical and Photobiological Sciences, 2019, 18, 2657-2660.	2.9	14
23	Direct $${ext{O}}_{2} ({ext{X}}^{3}Sigma _{ext{g}}^{ - }) o {ext{O}}_{2} ({ext{b}}^{1}) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T f	0.1	0
24	Temperature Effects on the Lifetime of O2(a1Î”g). Springer Theses, 2019, , 79-105.	0.1	0
25	Instrumentation and Experimental Techniques. Springer Theses, 2019, , 17-29.	0.1	0
26	Solvent Effects on the O2(a1âˆ†g) â†' O2(b1$$Sigma_{ext{g}}^{ + }$$) Transition. Springer Theses, 2019, , 57-78.	0.1	0
27	Light Scattering versus Plasmon Effects: Optical Transitions in Molecular Oxygen near a Metal Nanoparticle. Journal of Physical Chemistry C, 2018, 122, 15625-15634.	3.1	16
28	Azadioxatriangulenium and Diazaoxatriangulenium: Quantum Yields and Fundamental Photophysical Properties. ACS Omega, 2017, 2, 193-203.	3.5	29
29	Temperature Sensitive Singlet Oxygen Photosensitization by LOV-Derived Fluorescent Flavoproteins. Journal of Physical Chemistry B, 2017, 121, 2561-2574.	2.6	38
30	Monitoring Interfacial Lipid Oxidation in Oil-in-Water Emulsions Using Spatially Resolved Optical Techniques. Analytical Chemistry, 2017, 89, 6239-6247.	6.5	21
31	No Photon Wasted: An Efficient and Selective Singlet Oxygen Photosensitizing Protein. Journal of Physical Chemistry B, 2017, 121, 9366-9371.	2.6	68
32	Singlet Oxygen Photophysics in Liquid Solvents: Converging on a Unified Picture. Accounts of Chemical Research, 2017, 50, 1920-1927.	15.6	97
33	Exerting better control and specificity with singlet oxygen experiments in live mammalian cells. Methods, 2016, 109, 81-91.	3.8	26
34	Solvent and Heavy-Atom Effects on the O₂(X³Î£_g^{â€“}) â†' O₂(b¹Î£_g⁺) Absorption Transition. Journal of Physical Chemistry A, 2016, 120, 8285-8296.	2.5	34
35	Solvent-dependent singlet oxygen lifetimes: temperature effects implicate tunneling and charge-transfer interactions. Physical Chemistry Chemical Physics, 2016, 18, 22946-22961.	2.8	174
36	Intracellular singlet oxygen photosensitizers: on the road to solving the problems of sensitizer degradation, bleaching and relocalization. Integrative Biology (United Kingdom), 2016, 8, 177-193.	1.3	29

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37	Control of singlet oxygen production in experiments performed on single mammalian cells. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 321, 297-308.	3.9	37
38	Effect of Solvent on the O2(a1Î”g) â† O2(b1Î£g+) Absorption Coefficient. Journal of Physical Chemistry A, 2015, 119, 9236-9243.	2.5	11
39	Subtle structural changes in octupolar merocyanine dyes influence the photosensitized production of singlet oxygen. Photochemical and Photobiological Sciences, 2015, 14, 1138-1146.	2.9	4
40	Direct 765 nm Optical Excitation of Molecular Oxygen in Solution and in Single Mammalian Cells. Journal of Physical Chemistry B, 2015, 119, 5422-5429.	2.6	65
41	Naturally occurring antioxidants for photooxidatively stable flexible organic solar cells. , 0, , .		0