

# Belinda Heyne

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

1,739  
citations

394421

19  
h-index

276875

41  
g-index

45  
all docs

45  
docs citations

45  
times ranked

2787  
citing authors

#	ARTICLE	IF	CITATIONS
1	High Stokes Shift Anilido- $\pi$ -Pyridine Boron Difluoride Dyes. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 12214-12217.	13.8	248
2	Recombinant human collagen for tissue engineered corneal substitutes. <i>Biomaterials</i> , 2008, 29, 1147-1158.	11.4	202
3	Collagen- $\pi$ -phosphorylcholine interpenetrating network hydrogels as corneal substitutes. <i>Biomaterials</i> , 2009, 30, 1551-1559.	11.4	171
4	Distance-Dependent Plasmon-Enhanced Singlet Oxygen Production and Emission for Bacterial Inactivation. <i>Journal of the American Chemical Society</i> , 2016, 138, 2762-2768.	13.7	139
5	Mechanisms of lysophosphatidylcholine-induced demyelination: A primary lipid disrupting myelinopathy. <i>Glia</i> , 2018, 66, 327-347.	4.9	124
6	Self-assembly of organic dyes in supramolecular aggregates. <i>Photochemical and Photobiological Sciences</i> , 2016, 15, 1103-1114.	2.9	108
7	Hybrid Silver Nanocubes for Improved Plasmon-Enhanced Singlet Oxygen Production and Inactivation of Bacteria. <i>Journal of the American Chemical Society</i> , 2019, 141, 684-692.	13.7	100
8	Calix[4]arene sulfonate as a template for forming fluorescent thiazole orange H-aggregates. <i>Chemical Communications</i> , 2010, 46, 3595.	4.1	86
9	In-Operando Mapping of pH Distribution in Electrochemical Processes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16815-16819.	13.8	59
10	Forcing Aggregation of Cyanine Dyes with Salts: A Fine Line between Dimers and Higher Ordered Aggregates. <i>Langmuir</i> , 2014, 30, 9654-9662.	3.5	41
11	Lumiestrone is Photochemically Derived from Estrone and may be Released to the Environment without Detection. <i>Frontiers in Endocrinology</i> , 2011, 2, 83.	3.5	29
12	Amplified Production of Singlet Oxygen in Aqueous Solution Using Metal Enhancement Effects. <i>Photochemistry and Photobiology</i> , 2014, 90, 85-91.	2.5	28
13	Roles of Near and Far Fields in Plasmon-Enhanced Singlet Oxygen Production. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 3654-3660.	4.6	27
14	Mechanism of action of sensors for reactive oxygen species based on fluorescein- $\pi$ -phenol coupling: the case of 2-[6-(4-hydroxy)phenoxy-3H-xanthen-3-on-9-yl]benzoic acid. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 802.	2.8	25
15	Synthesis and characterization of a new fluorescent probe for reactive oxygen species. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 1454.	2.8	25
16	Size Does Matter: How To Control Organization of Organic Dyes in Aqueous Environment Using Specific Ion Effects. <i>Langmuir</i> , 2012, 28, 16524-16530.	3.5	25
17	Assessment of encapsulated dyes- $\pi$ distribution in silica nanoparticles and their ability to release useful singlet oxygen. <i>Chemical Communications</i> , 2018, 54, 6320-6323.	4.1	24
18	Visualizing Oncolytic Virus-Host Interactions in Live Mice Using Intravital Microscopy. <i>Molecular Therapy - Oncolytics</i> , 2018, 10, 14-27.	4.4	20

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19	Addressing personal protective equipment (PPE) decontamination: Methylene blue and light inactivates severe acute respiratory coronavirus virus 2 (SARS-CoV-2) on N95 respirators and medical masks with maintenance of integrity and fit. <i>Infection Control and Hospital Epidemiology</i> , 2022, 43, 876-885.	1.8	19
20	Using photochemistry to understand and control the production of reactive oxygen species in biological environments. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2015, 306, 1-12.	3.9	17
21	Mechanistic studies of fluorescent sensors for the detection of reactive oxygen species. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 354-358.	2.8	16
22	Tunable photoluminescence properties of selenium nanoparticles: biogenic versus chemogenic synthesis. <i>Nanophotonics</i> , 2020, 9, 3615-3628.	6.0	16
23	In <sup>operando</sup> Mapping of pH Distribution in Electrochemical Processes. <i>Angewandte Chemie</i> , 2019, 131, 16971-16975.	2.0	14
24	Cytotoxicity, cellular localization and photophysical properties of Re(I) tricarbonyl complexes bound to cysteine and its derivatives. <i>Journal of Biological Inorganic Chemistry</i> , 2020, 25, 759-776.	2.6	14
25	Investigation of singlet oxygen reactivity towards propofol. <i>Photochemical and Photobiological Sciences</i> , 2003, 2, 939.	2.9	13
26	The regulation of skin pigmentation in response to environmental light by pineal Type II opsins and skin melanophore melatonin receptors. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 212, 112024.	3.8	13
27	Rationalizing the Plasmonic Contributions to the Enhancement of Singlet Oxygen Production. <i>Journal of Physical Chemistry C</i> , 2020, 124, 3768-3777.	3.1	13
28	Vitamin E Prevents Lipid Raft Modifications Induced by an Anti-cancer Lysophospholipid and Abolishes a Yap1-mediated Stress Response in Yeast. <i>Journal of Biological Chemistry</i> , 2010, 285, 25731-25742.	3.4	9
29	Complex Photophysical Properties of K114 Make for a Versatile Fluorescent Probe for Amyloid Detection. <i>ACS Chemical Neuroscience</i> , 2021, 12, 1273-1280.	3.5	9
30	Singlet oxygen partition between the outer-, inner- and membrane-phases of photo/chemotherapeutic liposomes. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 25054-25064.	2.8	8
31	Impact of Incoherent Coupling within Localized Surface Plasmon Resonance on Singlet Oxygen Production in Rose Bengal-Modified Silica-Coated Silver Nanoshells (SiO <sub>2</sub> @Ag@SiO <sub>2</sub> -RB). <i>ACS Applied Nano Materials</i> , 2020, 3, 8126-8137.	5.0	8
32	Influence of Rose Bengal Dimerization on Photosensitization. <i>Photochemistry and Photobiology</i> , 2021, 97, 718-726.	2.5	8
33	Photobleaching of Erythrosine B in Aqueous Environment Investigation Beyond pH <sup>∞</sup> . <i>Photochemistry and Photobiology</i> , 2022, 98, 49-56.	2.5	8
34	Improved RP-HPLC separation of Hg <sup>2+</sup> and CH <sub>3</sub> Hg <sup>+</sup> using a mixture of thiol-based mobile phase additives. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2012, 47, 149-154.	1.7	6
35	Unveiling the Triplet State of a 4-Amino-7-Nitrobenzofurazan Derivative in Cyclohexane. <i>Photochemistry and Photobiology</i> , 2015, 91, 272-279.	2.5	4
36	Thiol-reacting toluidine blue derivatives: Synthesis, photophysical properties and covalent conjugation with human serum albumin. <i>Dyes and Pigments</i> , 2022, 201, 110225.	3.7	4

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37	Water-Soluble Phosphaviologens for Effective Photoinduced Charge Separation. <i>Organometallics</i> , 2017, 36, 2685-2691.	2.3	3
38	Does the DNA Binding Mode of a Molecule Affect its Ability to Interact With Singlet Oxygen?. <i>Photochemistry and Photobiology</i> , 2009, 85, 1110-1115.	2.5	2
39	Synthetic Access to Benzimidacarbocyanine Dyes to Tailor Their Aggregation Properties. <i>Journal of Organic Chemistry</i> , 2021, 86, 8641-8651.	3.2	2
40	Singlet Oxygen Induces Fluorescent Proteins Dimerization. <i>ChemBioChem</i> , 2010, 11, 2384-2388.	2.6	1
41	Achieving organic nanoparticles with redox-active capabilities: synthesis of gold nanoparticles in water as a proof-of-principle. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	1.9	1
42	Synthesis of Tetrathiaâ€“Oligothiophene Macrocycles. <i>ACS Omega</i> , 2019, 4, 3405-3408.	3.5	1