

# Frédéric Bolze

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

1,238  
citations

471371

17  
h-index

580701

25  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1865  
citing authors

#	ARTICLE	IF	CITATIONS
1	Diketopyrrolopyrroleâ€Porphyrin Conjugates with High Twoâ€Photon Absorption and Singlet Oxygen Generation for Twoâ€Photon Photodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 169-173.	7.2	207
2	Molecular photosensitisers for two-photon photodynamic therapy. <i>Chemical Communications</i> , 2017, 53, 12857-12877.	2.2	198
3	Waterâ€Soluble, Donorâ€Acceptor Biphenyl Derivatives in the 2â€(Nitrophenyl)propyl Series: Highly Efficient Twoâ€Photon Uncaging of the Neurotransmitter <sup>13</sup> C-Aminobutyric Acid at $\lambda = 800$ nm. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1840-1843.	7.2	106
4	Two-photon uncaging: New prospects in neuroscience and cellular biology. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 7753-7758.	1.4	97
5	Molecular Engineering of Photoremovable Protecting Groups for Twoâ€Photon Uncaging. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9525-9529.	7.2	86
6	Photochemical tools to study dynamic biological processes. <i>HFSP Journal</i> , 2009, 3, 255-264.	2.5	68
7	A Theranostic Agent Combining a Twoâ€Photonâ€Absorbing Photosensitizer for Photodynamic Therapy and a Gadolinium(III) Complex for MRI Detection. <i>Chemistry - A European Journal</i> , 2016, 22, 2775-2786.	1.7	58
8	Four Gadolinium(III) Complexes Appended to a Porphyrin: A Water-Soluble Molecular Theranostic Agent with Remarkable Relaxivity Suited for MRI Tracking of the Photosensitizer. <i>Inorganic Chemistry</i> , 2016, 55, 4545-4554.	1.9	49
9	The donorâ€acceptor biphenyl platform: A versatile chromophore for the engineering of highly efficient two-photon sensitive photoremovable protecting groups. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 578.	1.6	43
10	Boron Containing Two-Photon Absorbing Chromophores. 2. Fine Tuning of the One- and Two-Photon Photophysical Properties of Pyrazabole Based Fluorescent Bioprobes. <i>Inorganic Chemistry</i> , 2009, 48, 9112-9119.	1.9	40
11	Boron-Containing Two-Photon-Absorbing Chromophores. 3. One- and Two-Photon Photophysical Properties of <i>p</i> -Carborane-Containing Fluorescent Bioprobes. <i>Inorganic Chemistry</i> , 2011, 50, 4272-4278.	1.9	38
12	A Porphyrin Dimerâ€GdDOTA Conjugate as a Theranostic Agent for One- and Two-Photon Photodynamic Therapy and MRI. <i>Bioconjugate Chemistry</i> , 2018, 29, 3726-3738.	1.8	35
13	Two-photon uncaging, from neuroscience to materials. <i>Optical Materials Express</i> , 2016, 6, 1679.	1.6	30
14	â€Extended diketopyrrolopyrroleâ€porphyrin arrays: one- and two-photon photophysical investigations and theoretical studies. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 21954-21965.	1.3	30
15	Multimodal Theranostic Cyanine-Conjugated Gadolinium(III) Complex for <i>In Vivo</i> Imaging of Amyloid- $\beta^2$ in an Alzheimerâ€™s Disease Mouse Model. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 18525-18532.	4.0	30
16	Synthesis and In Vitro Studies of a Gd(DOTA)â€Porphyrin Conjugate for Combined MRI and Photodynamic Treatment. <i>Inorganic Chemistry</i> , 2020, 59, 14389-14398.	1.9	20
17	Tumour-targeting photosensitisers for one- and two-photon activated photodynamic therapy. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 6585-6594.	1.5	16
18	Synthesis and Characterization of Photoactivatable Doxycycline Analogues Bearing Twoâ€Photonâ€Sensitive Photoremovable Groups Suitable for Lightâ€Induced Gene Expression. <i>ChemBioChem</i> , 2018, 19, 1341-1348.	1.3	14

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19	Two-Photon Sensitive Coumarinyl Photoremovable Protecting Groups with Rigid Electron-Rich Cycles Obtained by Domino Reactions Initiated by a 5- <i>exo</i> -Dig Cyclocarbopalladation. <i>Organic Letters</i> , 2021, 23, 7580-7585.	2.4	13
20	<i>o</i> -Nitrobenzyl photoremovable groups with fluorescence uncaging reporting properties. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 6115-6122.	1.5	9
21	Silafluorene as a promising core for cell-permeant, highly bright and two-photon excitable fluorescent probes for live-cell imaging. <i>Dyes and Pigments</i> , 2021, 187, 109083.	2.0	9
22	Photolytical reactions for light induced biological effectors release: on the road to the phototherapeutic window. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2021, 101, 291-304.	0.9	8
23	Monitoring of uncaging processes by designing photolytical reactions. <i>Photochemical and Photobiological Sciences</i> , 2020, 19, 1122-1133.	1.6	7
24	On the Road Toward More Efficient Biocompatible Two-Photon Excitable Fluorophores. <i>Chemistry - A European Journal</i> , 2022, , .	1.7	3