

# Yann Bretonniere

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7751403/publications.pdf>

Version: 2024-02-01

65  
papers

2,277  
citations

186209

28  
h-index

223716

46  
g-index

66  
all docs

66  
docs citations

66  
times ranked

2862  
citing authors

#	ARTICLE	IF	CITATIONS
1	Near IR Nonlinear Absorbing Chromophores with Optical Limiting Properties at Telecommunication Wavelengths. <i>Chemistry of Materials</i> , 2007, 19, 5325-5335.	3.2	147
2	Design, synthesis and evaluation of ratiometric probes for hydrogencarbonate based on europium emission. <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 1624.	1.5	131
3	Selective Self-Assembly of Hexameric Homo- and Heteropolymetallic Lanthanide Wheels: Synthesis, Structure, and Photophysical Studies. <i>Inorganic Chemistry</i> , 2007, 46, 625-637.	1.9	108
4	Cation-Controlled Self-Assembly of a Hexameric Europium Wheel. <i>Journal of the American Chemical Society</i> , 2002, 124, 9012-9013.	6.6	98
5	An Efficient Design for the Rigid Assembly of Four Bidentate Chromophores in Water-Stable Highly Luminescent Lanthanide Complexes. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 7595-7598.	7.2	98
6	Protection against Radiation-Induced Degradation of DNA Bases by Polyamines. <i>Radiation Research</i> , 2000, 153, 29-35.	0.7	89
7	Ratiometric probes for hydrogencarbonate analysis in intracellular or extracellular environments using europium luminescence. <i>Chemical Communications</i> , 2002, , 1930-1931.	2.2	77
8	Chemoselective signalling of selected phospho-anions using lanthanide luminescence. <i>Chemical Communications</i> , 2004, , 438-439.	2.2	77
9	Relating Structural and Thermodynamic Effects of the Pb(II) Lone Pair: A New Picolinate Ligand Designed to Accommodate the Pb(II) Lone Pair Leads to High Stability and Selectivity. <i>Inorganic Chemistry</i> , 2007, 46, 3714-3725.	1.9	74
10	Neutral push-pull chromophores for nonlinear optical imaging of cell membranes. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 142-150.	1.5	74
11	Photodynamic therapy and two-photon bio-imaging applications of hydrophobic chromophores through amphiphilic polymer delivery. <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 1216-1225.	1.6	74
12	A water soluble probe with near infrared two-photon absorption and polarity-induced fluorescence for cerebral vascular imaging. <i>Chemical Science</i> , 2013, 4, 2833.	3.7	70
13	ABAB Homoleptic Bis(phthalocyaninato)lutetium(III) Complex: Toward the Real Octupolar Cube and Giant Quadratic Hyperpolarizability. <i>Journal of the American Chemical Society</i> , 2012, 134, 3655-3658.	6.6	64
14	Solid-State and Solution Properties of the Lanthanide Complexes of a New Heptadentate Tripodal Ligand: A Route to Gadolinium Complexes with an Improved Relaxation Efficiency. <i>Inorganic Chemistry</i> , 2001, 40, 6737-6745.	1.9	59
15	Tuning the solid-state emission of small push-pull dipolar dyes to the far-red through variation of the electron-acceptor group. <i>Dyes and Pigments</i> , 2018, 156, 116-132.	2.0	57
16	Solid-State and Solution Structure of Lanthanide Complexes of a New Nonadentate Tripodal Ligand Containing Phenanthroline Binding Units. <i>Inorganic Chemistry</i> , 2000, 39, 3499-3505.	1.9	56
17	First-Order Hyperpolarizability of Triphenylamine Derivatives Containing Cyanopyridine: Molecular Branching Effect. <i>Journal of Physical Chemistry C</i> , 2018, 122, 1770-1778.	1.5	55
18	Fluorescence and FTIR Spectra Analysis of Trans-A2B2-Substituted Di- and Tetra-Phenyl Porphyrins. <i>Materials</i> , 2010, 3, 4446-4475.	1.3	47

#	ARTICLE	IF	CITATIONS
19	Fluorescent push-pull pH-responsive probes for ratiometric detection of intracellular pH. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 3641-3648.	1.5	45
20	Unprecedented self-assembly of M3L2 trinuclear lanthanide complexes assisted by a flexible tripodal ligand containing terpyridine binding units. <i>Chemical Communications</i> , 2000, , 1543-1544.	2.2	43
21	A new heptadentate tripodal ligand leading to a gadolinium complex with an improved relaxation efficiency. <i>Chemical Communications</i> , 2001, , 621-622.	2.2	43
22	New Cross-Linkable Polymers with Huisgen Reaction Incorporating High $\lambda_{max}^2$ Chromophores for Second-Order Nonlinear Optical Applications. <i>Chemistry of Materials</i> , 2012, 24, 1143-1157.	3.2	41
23	Solid state red biphotonic excited emission from small dipolar fluorophores. <i>Journal of Materials Chemistry C</i> , 2016, 4, 766-779.	2.7	40
24	Enantiopure lanthanide complexes incorporating a tetraazatriphenylene sensitizer and three naphthyl groups: exciton coupling, intramolecular energy transfer, efficient singlet oxygen formation and perturbation by DNA binding. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 1870-1872.	1.5	39
25	Design of Near-Infrared-Absorbing Unsymmetrical Polymethine Dyes with Large Quadratic Hyperpolarizabilities. <i>Chemistry of Materials</i> , 2018, 30, 3410-3418.	3.2	35
26	General and Scalable Approach to Bright, Stable, and Functional AIE Fluorogen Colloidal Nanocrystals for in Vivo Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 25154-25165.	4.0	35
27	NMR and Luminescence Binding Studies of Ytterbium, Thulium, and Europium Macrocyclic Complexes with Phosphorus(V) Oxy Anions. <i>Helvetica Chimica Acta</i> , 2005, 88, 391-405.	1.0	33
28	ABAB Homoleptic Bis(phthalocyaninato)lanthanide(III) Complexes: Original Octupolar Design Leading to Giant Quadratic Hyperpolarizability. <i>Inorganic Chemistry</i> , 2014, 53, 4359-4370.	1.9	28
29	Experimental and Theoretical Study on the One- and Two-Photon Absorption Properties of Novel Organic Molecules Based on Phenylacetylene and Azoaromatic Moieties. <i>Journal of Physical Chemistry B</i> , 2012, 116, 14677-14688.	1.2	27
30	Synthesis of chromophores combining second harmonic generation and two photon induced fluorescence properties. <i>Chemical Communications</i> , 2006, , 4744-4746.	2.2	26
31	1,5-Benzodiazepin-2-ones: Investigation of a Family of Photoluminescent Materials. <i>Journal of Organic Chemistry</i> , 2016, 81, 4720-4727.	1.7	24
32	Red Emitting Neutral Fluorescent Glycoconjugates for Membrane Optical Imaging. <i>Bioconjugate Chemistry</i> , 2014, 25, 773-787.	1.8	22
33	Photo- $\delta$ SRM: laser-induced dissociation improves detection selectivity of selected reaction monitoring mode. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 3375-3381.	0.7	19
34	Surfactant-Free Direct Access to Porphyrin-Cross-Linked Nanogels for Photodynamic and Photothermal Therapy. <i>Bioconjugate Chemistry</i> , 2018, 29, 4149-4159.	1.8	19
35	4,5,5-Trimethyl-2,5-dihydrofuran-Based Electron-Withdrawing Groups for NIR-Emitting Push-Pull Dipolar Fluorophores. <i>Journal of Organic Chemistry</i> , 2019, 84, 9965-9974.	1.7	19
36	Intramolecular Cooperative and Anti-Cooperative Effect on the Two-Photon Absorption Cross Section in Triphenylamine Derivatives. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 2214-2219.	2.1	18

#	ARTICLE	IF	CITATIONS
37	Angle and Polarization Selective Spontaneous Emission in Dye-Doped Metal/Insulator/Metal Nanocavities. <i>Advanced Optical Materials</i> , 2020, 8, 1901215.	3.6	18
38	Crystal-packing modes determine the solid-state ESIPT fluorescence in highly dipolar 2-hydroxychalcones. <i>Journal of Materials Chemistry C</i> , 2021, 9, 12727-12731.	2.7	17
39	Revealing the Electronic and Molecular Structure of Randomly Oriented Molecules by Polarized Two-Photon Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 1753-1759.	2.1	16
40	Concise Multigram-Scale Synthesis of Push-Pull Tricyanofuran-Based Hemicyanines with Giant Second-Order Nonlinearity: An Alternative for Electro-Optic Materials. <i>Chemistry - A European Journal</i> , 2014, 20, 8909-8913.	1.7	16
41	Design of an amphiphilic porphyrin exhibiting high in vitro photocytotoxicity. <i>New Journal of Chemistry</i> , 2016, 40, 2044-2050.	1.4	16
42	Push-Pull Dyes for Yellow to NIR Emitting Electrochemical Cells. <i>Advanced Functional Materials</i> , 2020, 30, 2004831.	7.8	16
43	Mechanism of the Zn(II)Phthalocyanines <sup>TM</sup> Photochemical Reactions Depending on the Number of Substituents and Geometry. <i>Molecules</i> , 2016, 21, 635.	1.7	14
44	Solid-State and Solution Properties of Cationic Lanthanide Complexes of a New Neutral Heptadentate N4O3 Tripodal Ligand. <i>Inorganic Chemistry</i> , 2003, 42, 7978-7989.	1.9	13
45	Solution and solid-state fluorescence of 2-(2-hydroxyphenyl)-1,5-benzodiazepin-2-one (HBD) borate complexes. <i>RSC Advances</i> , 2016, 6, 86352-86360.	1.7	11
46	Expeditious selective access to functionalized platforms of A7B-type heteroleptic lanthanide double-decker complexes of phthalocyanine. <i>Chemical Communications</i> , 2014, 50, 7466.	2.2	10
47	New designed naphthalimide-phthalocyanine pentads: Synthesis, photophysical and photochemical properties in DMSO and room temperature ionic liquids. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 332, 562-570.	2.0	10
48	Probing the high performance of photoinduced birefringence in V-shaped azo/PMMA guest-host films. <i>RSC Advances</i> , 2020, 10, 40806-40814.	1.7	10
49	Photophysical properties and study of the singlet oxygen generation of tetraphenylporphyrinato palladium(II) complexes. <i>Journal of Porphyrins and Phthalocyanines</i> , 2013, 17, 964-971.	0.4	9
50	Sensitive 1,1-dicyanovinyl push-pull dye for primary amine sensing in solution by fluorescence. <i>Dyes and Pigments</i> , 2022, 202, 110258.	2.0	9
51	Photostable far-red emitting pluronic silicate nanoparticles: perfect blood pool fluorophores for biphotonic in vivo imaging of the leaky tumour vasculature. <i>RSC Advances</i> , 2016, 6, 94200-94205.	1.7	7
52	Design of two-photon absorbing fluorophores for FRET antenna-core oxygen probes. <i>New Journal of Chemistry</i> , 2018, 42, 7914-7930.	1.4	7
53	Quadruple Functionalization of a Tetraphenylethylene Aromatic Scaffold with Ynamides or Tetracyanobutadienes: Synthesis and Optical Properties. <i>European Journal of Organic Chemistry</i> , 2022, .	1.2	7
54	Two-dimensional supramolecular assemblies involving neoglycolipids: Self-organization and insertion properties into Langmuir monolayers. <i>Biochimie</i> , 2011, 93, 101-112.	1.3	6

#	ARTICLE	IF	CITATIONS
55	Synthesis and characterization of a novel nonlinear optical hyperbranched polymer containing a highly performing chromophore. <i>Polymers for Advanced Technologies</i> , 2013, 24, 473-477.	1.6	6
56	Iodination improves the phototoxicity of an amphiphilic porphyrin. <i>Photodiagnosis and Photodynamic Therapy</i> , 2016, 16, 12-14.	1.3	6
57	Red-emitting fluorescent organic@silicate core-shell nanoparticles for bio-imaging. <i>New Journal of Chemistry</i> , 2018, 42, 15353-15360.	1.4	6
58	Optical Properties of a Visible Push-Pull Chromophore Covalently Bound to Carbohydrates: Solution and Gas-Phase Spectroscopy Combined to Theoretical Investigations. <i>Journal of Physical Chemistry B</i> , 2012, 116, 841-851.	1.2	5
59	Ultrabright Silica-Coated Organic Nanocrystals for Two-Photon In Vivo Imaging. <i>ACS Applied Nano Materials</i> , 2020, 3, 11933-11944.	2.4	4
60	Hybrid multimodal contrast agent for multiscale <i>in vivo</i> investigation of neuroinflammation. <i>Nanoscale</i> , 2021, 13, 3767-3781.	2.8	4
61	Unbiased Detection of Cysteine Sulfenic Acid by 473 nm Photodissociation Mass Spectrometry: Toward Facile In Vivo Oxidative Status of Plasma Proteins. <i>Analytical Chemistry</i> , 2021, 93, 2907-2915.	3.2	2
62	Phosphine-based push-pull AIE fluorophores: Synthesis, photophysical properties, and TD-DFT studies. <i>Dyes and Pigments</i> , 2021, 193, 109485.	2.0	1
63	Real-Time Tunable Red/Near-Infrared Solid-State Emitters in the First Biological Window: 9,9-Diethyl-2-diphenylaminofluorene-Based Push-Pull Fluorophores for Distributed Feedback and Random Lasing Applications. <i>ChemPhotoChem</i> , 0, , .		1
64	Chromophores for Optical Power Limiting. , 2011, , 619-654.		0
65	Novel pH-sensitive probes with a ratiometric detection for intracellular pH. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0