

# George Papageorgiou

## List of Publications by Year in descending order

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60  
papers

1,880  
citations

236912

25  
h-index

276858

41  
g-index

66  
all docs

66  
docs citations

66  
times ranked

1488  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photochemical and pharmacological evaluation of 7-nitroindolyl- and 4-methoxy-7-nitroindolyl-amino acids as novel, fast caged neurotransmitters. <i>Journal of Neuroscience Methods</i> , 2001, 112, 29-42.	2.5	204
2	Photorelease of Carboxylic Acids from 1-Acyl-7-nitroindolines in Aqueous Solution: Rapid and Efficient Photorelease of L-Glutamate. <i>Journal of the American Chemical Society</i> , 1999, 121, 6503-6504.	13.7	134
3	A Structure-Based Mechanism for DNA Entry into the Cohesin Ring. <i>Molecular Cell</i> , 2020, 79, 917-933.e9.	9.7	112
4	Effects of Aromatic Substituents on the Photocleavage of 1-Acyl-7-nitroindolines. <i>Tetrahedron</i> , 2000, 56, 8197-8205.	1.9	111
5	Mechanisms of photorelease of carboxylic acids from 1-acyl-7-nitroindolines in solutions of varying water content. <i>Photochemical and Photobiological Sciences</i> , 2002, 1, 960.	2.9	77
6	The conductance underlying the parallel fibre slow EPSP in rat cerebellar Purkinje neurones studied with photolytic release of L-glutamate. <i>Journal of Physiology</i> , 2001, 533, 765-772.	2.9	76
7	Synthesis and properties of carbamoyl derivatives of photolabile benzoin. <i>Tetrahedron</i> , 1997, 53, 3917-3932.	1.9	60
8	An Antenna-Sensitized Nitroindoline Precursor to Enable Photorelease of L-Glutamate in High Concentrations. <i>Journal of Organic Chemistry</i> , 2004, 69, 7228-7233.	3.2	52
9	An antenna-sensitized precursor for 1-acyl-7-nitroindolines improves the efficiency of carboxylic acid photorelease. Electronic supplementary information (ESI) available: Synthetic details for starting materials and photolysis protocols for 4 plus the calculated absorption spectrum for 4, spectra of its progressive photolysis and comparisons of calculated and experimental absorption spectra for 4 and 5. See <a href="http://www.rsc.org/suppdata/pp/b3/b316251f/">http://www.rsc.org/suppdata/pp/b3/b316251f/</a> . <i>Photochemical and Photobiological Sciences</i> , 2004, 3, 366.	2.9	48
10	Laser photolysis of DPNI-GABA, a tool for investigating the properties and distribution of GABA receptors and for silencing neurons in situ. <i>Journal of Neuroscience Methods</i> , 2009, 181, 159-169.	2.5	47
11	In situ thioester formation for protein ligation using L-methylcysteine. <i>Chemical Science</i> , 2014, 5, 766-770.	7.4	47
12	Identifying SARS-CoV-2 antiviral compounds by screening for small molecule inhibitors of Nsp5 main protease. <i>Biochemical Journal</i> , 2021, 478, 2499-2515.	3.7	46
13	Presynaptic Miniature Gabaergic Currents in Developing Interneurons. <i>Neuron</i> , 2010, 66, 235-247.	8.1	45
14	The generation of iminium ions using chlorosilanes and their reactions with electron rich aromatic heterocycles. <i>Tetrahedron</i> , 1997, 53, 2941-2958.	1.9	44
15	Mannich reactions of furan and 2-methylfuran using pre-formed imonium salts. <i>Tetrahedron Letters</i> , 1988, 29, 2377-2380.	1.4	42
16	Comparative analysis of inhibitory effects of caged ligands for the NMDA receptor. <i>Journal of Neuroscience Methods</i> , 2005, 142, 1-9.	2.5	41
17	Mannich reactions of nucleophilic aromatic compounds involving aminals and L-amino ethers activated by chlorosilane derivatives; catalysis by chlorotrimethylsilane. <i>Journal of the Chemical Society Chemical Communications</i> , 1988, , 1161-1163.	2.0	40
18	Synthetic and photochemical studies of substituted 1-acyl-7-nitroindolines. <i>Photochemical and Photobiological Sciences</i> , 2005, 4, 887.	2.9	33

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19	Flash photolytic release of alcohols from photolabile carbamates or carbonates is rate-limited by decarboxylation of the photoproduct. <i>Photochemical and Photobiological Sciences</i> , 2005, 4, 216.	2.9	31
20	Synthesis and evaluation of photolabile sulfonamides as potential reagents for rapid photorelease of neuroactive amines. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1996, , 1583.	0.9	30
21	A backbone amide protecting group for overcoming difficult sequences and suppressing aspartimide formation. <i>Journal of Peptide Science</i> , 2016, 22, 360-367.	1.4	29
22	Mannich reactions of $\alpha$ -excessive heterocycles using bis-(dialkylamino)methanes and alkoxydialkylaminomethanes activated with acetyl chloride or sulphur dioxide. <i>Tetrahedron Letters</i> , 1988, 29, 2997-3000.	1.4	28
23	Mannich reactions of oxazolidines. <i>Tetrahedron Letters</i> , 1989, 30, 1433-1436.	1.4	28
24	A new route to secondary amines from bis-(alkoxymethyl)-alkylamines - the activation of an aminomethyl group and protection of the product by the same functional group. <i>Tetrahedron Letters</i> , 1990, 31, 4229-4232.	1.4	28
25	The functionalisation of electron rich aromatic compounds with 1,3-oxazolidines and 1,3-dimethylimidazolidine. <i>Tetrahedron</i> , 1997, 53, 14381-14396.	1.9	28
26	Mannich reactions of aryltrialkylstannanes in aprotic solvents. <i>Tetrahedron</i> , 1989, 45, 1155-1166.	1.9	25
27	An antenna-sensitised 1-acyl-7-nitroindoline that has good solubility properties in the presence of calcium ions and is suitable for use as a caged l-glutamate in neuroscience. <i>Photochemical and Photobiological Sciences</i> , 2008, 7, 423-432.	2.9	24
28	Functionalisation of Detonation Nanodiamond for Monodispersed, Soluble DNA-Nanodiamond Conjugates Using Mixed Silane Bead-Assisted Sonication Disintegration. <i>Scientific Reports</i> , 2018, 8, 728.	3.3	24
29	REGIOSELECTIVE NITRATION OF 1-ACYL-4-METHOXYINDOLINES LEADS TO EFFICIENT SYNTHESIS OF A PHOTOLABILE-GLUTAMATE PRECURSOR. <i>Synthetic Communications</i> , 2002, 32, 1571-1577.	2.1	23
30	Automated synthesis of backbone protected peptides. <i>Chemical Communications</i> , 2014, 50, 8316-8319.	4.1	22
31	MCT2 mediates concentration-dependent inhibition of glutamine metabolism by MOG. <i>Nature Chemical Biology</i> , 2018, 14, 1032-1042.	8.0	22
32	A New Synthesis of Primary Amines Using tert-Butylamine as an Ammonia Equivalent: The Triflic Acid Catalysed Removal of N-tert-Butyl Groups from Carbamates. <i>Synlett</i> , 1990, 1990, 621-623.	1.8	21
33	Synthetic and photochemical studies of N-arenesulfonyl amino acids. <i>Tetrahedron</i> , 1999, 55, 237-254.	1.9	20
34	Synthesis of an anionically substituted nitroindoline-caged GABA reagent that has reduced affinity for GABA receptors. <i>Tetrahedron</i> , 2007, 63, 9668-9676.	1.9	20
35	A mononuclear copper(II) complex of an unsymmetrical dinucleating ligand. <i>Journal of the Chemical Society Dalton Transactions</i> , 1995, , 1883.	1.1	18
36	Mechanisms of photorelease of carboxylic acids from 1-acyl-7-nitroindolines in solutions of varying water content. <i>Photochemical and Photobiological Sciences</i> , 2002, 1, 960-9.	2.9	15

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37	The effect of sulphur dioxide on the mannich reactions of phenols. <i>Tetrahedron Letters</i> , 1988, 29, 5801-5804.	1.4	14
38	The use of bis(aminol) ethers derived from aliphatic primary amines in the synthesis of secondary and tertiary amines. <i>Tetrahedron</i> , 1996, 52, 3473-3486.	1.9	14
39	The activation of amins and aminol ethers by sulfur dioxide and their reactions with electron rich aromatic compounds. <i>Tetrahedron</i> , 1997, 53, 13361-13372.	1.9	14
40	Optimised synthesis and photochemistry of antenna-sensitised 1-acyl-7-nitroindolines. <i>Tetrahedron</i> , 2005, 61, 609-616.	1.9	13
41	Synthesis and photolytic evaluation of a nitroindoline-caged glycine with a side chain of high negative charge for use in neuroscience. <i>Tetrahedron</i> , 2011, 67, 5228-5234.	1.9	13
42	Scaffold-hopping identifies furano[2,3-d]pyrimidine amides as potent Notum inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 126751.	2.2	13
43	Tandem and Stepwise Reactions of 2-(3,4-Dialkoxyphenyl)ethylamine Bis(aminol) Ethers in Syntheses of N-Arylmethyl-6,7-dimethoxy-1,2,3,4-tetrahydroisoquinolines: A Synthesis of Sendaverine Methyl Ether. <i>Synlett</i> , 1990, 1990, 617-618.	1.8	12
44	The synthesis of 2-arylmethyltetrahydroisoquinolines from bis(aminol) ethers involving two iminium salt intermediates. <i>Tetrahedron</i> , 1995, 51, 10737-10750.	1.9	12
45	Diastereoselective Reactions of Trialkylsilyl Enol Ethers with Acyliminium Ions. <i>Synlett</i> , 1990, 1990, 619-621.	1.8	11
46	Synthesis of unsymmetrical dinucleating ligands bearing nitrogen and oxygen donor atoms. <i>Tetrahedron</i> , 1996, 52, 5913-5928.	1.9	10
47	Pre-steady-State Currents in Neutral Amino Acid Transporters Induced by Photolysis of a New Caged Alanine Derivative. <i>Biochemistry</i> , 2007, 46, 3872-3880.	2.5	10
48	An improved, scalable synthesis of Notum inhibitor LP-922056 using 1-chloro-1,2-benziodoxol-3-one as a superior electrophilic chlorinating agent. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 2790-2797.	2.2	10
49	Synthesis of Unsymmetrical Dinucleating Ligands from Mannich Bases. <i>Synlett</i> , 1994, 1994, 79-81.	1.8	8
50	Auxiliary-assisted chemical ubiquitylation of NEMO and linear extension by HOIP. <i>Communications Chemistry</i> , 2019, 2, 111.	4.5	7
51	Non-photochemical rearrangements of o-nitrobenzyl compounds. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1999, , 2977-2982.	0.9	4
52	A strategy to avoid anomalous O-alkylation of 4-hydroxyindole by diethyl bromomalonate. <i>Journal of Heterocyclic Chemistry</i> , 2005, 42, 1101-1104.	2.6	4
53	Synthesis and characterisation of <sup>13</sup> C and <sup>15</sup> N isotopomers of a 1-acyl-7-nitroindoline. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2001, 44, 619-626.	1.0	3
54	An improved method for the incorporation of fluoromethyl ketones into solid phase peptide synthesis techniques. <i>RSC Advances</i> , 2021, 11, 20457-20464.	3.6	2

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55	Photolysis of a Caged, Fast-Equilibrating Glutamate Receptor Antagonist, MNI-Caged $\text{[}^3\text{-D-Glutamyl-Glycine}$ , to Investigate Transmitter Dynamics and Receptor Properties at Glutamatergic Synapses. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 465.	3.7	1
56	Synthesis of Amide Backbone-Modified Peptides. <i>Methods in Molecular Biology</i> , 2020, 2103, 225-237.	0.9	1
57	Synthesis and Photolytic Assessment of Nitroindolyl-Caged Calcium Ion Chelators. <i>Molecules</i> , 2022, 27, 2645.	3.8	1
58	Dimethylbis(5-methylfurfuryl)ammonium chloride. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1990, 46, 64-66.	0.4	0
59	A Strategy to Avoid Anomalous O-Alkylation of 4-Hydroxyindole by Diethyl Bromomalonate.. <i>ChemInform</i> , 2006, 37, no.	0.0	0
60	Photolysis of a Caged, Fast-Equilibrating Glutamate Receptor Antagonist, Mni-Caged-Gamma-D-Glutamyl-Glycine, to Investigate Transmitter Dynamics and Receptor Properties at Glutamatergic Synapses. <i>Biophysical Journal</i> , 2019, 116, 428a.	0.5	0