George Papageorgiou

List of Publications by Year in descending order

60 papers	1,880 citations	236925 25 h-index	276875 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-nitroindolinyl-and 4-methoxy-7-nitroindolinyl-amino acids as novel, fast caged neurotransmitters. Journal of Neuroscience Methods, 2001, 112, 29-42.	2.5	204
2	Photorelease of Carboxylic Acids from 1-Acyl-7-nitroindolines in Aqueous Solution:â€‰ Rapid and Efficient Photorelease of l-Glutamate1. Journal of the American Chemical Society, 1999, 121, 6503-6504.	13.7	134
3	A Structure-Based Mechanism for DNA Entry into the Cohesin Ring. Molecular Cell, 2020, 79, 917-933.e9.	9.7	112
4	Effects of Aromatic Substituents on the Photocleavage of 1-Acyl-7-nitroindolines. Tetrahedron, 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. Photochemical and Photobiological Sciences, 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 Lâ€glutamate. Journal of Physiology, 2001, 533, 765-772.	2.9	76
7	Synthesis and properties of carbamoyl derivatives of photolabile benzoins. Tetrahedron, 1997, 53, 3917-3932.	1.9	60
8	An Antenna-Sensitized Nitroindoline Precursor to Enable Photorelease of l-Glutamate in High Concentrations. Journal of Organic Chemistry, 2004, 69, 7228-7233.	3.2	52
9	An antenna triplet sensitiser for 1-acyl-7-nitroindolines improves the efficiency of carboxylic acid photoreleaseElectronic 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 http://www.rsc.org/suppdata/pp/b3/b316251f/. Photochemical and Photobiological Sciences, 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. Journal of Neuroscience Methods, 2009, 181, 159-169.	2.5	47
11	Insitu thioester formation for protein ligation using Î±-methylcysteine. Chemical Science, 2014, 5, 766-770.	7.4	47
12	Identifying SARS-CoV-2 antiviral compounds by screening for small molecule inhibitors of Nsp5 main protease. Biochemical Journal, 2021, 478, 2499-2515.	3.7	46
13	Presynaptic Miniature Gabaergic Currents in Developing Interneurons. Neuron, 2010, 66, 235-247.	8.1	45
14	The generation of iminium ions using chlorosilanes and their reactions with electron rich aromatic heterocycles. Tetrahedron, 1997, 53, 2941-2958.	1.9	44
15	Mannich reactions of furan and 2-methylfuran using pre-formed imonium salts. Tetrahedron Letters, 1988, 29, 2377-2380.	1.4	42
16	Comparative analysis of inhibitory effects of caged ligands for the NMDA receptor. Journal of Neuroscience Methods, 2005, 142, 1-9.	2.5	41
17	Mannich reactions of nucleophilic aromatic compounds involving aminals and Î±-amino ethers activated by chlorosilane derivatives; catalysis by chlorotrimethylsilane. Journal of the Chemical Society Chemical Communications, 1988, , 1161-1163.	2.0	40
18	Synthetic and photochemical studies of substituted 1-acyl-7-nitroindolines. Photochemical and Photobiological Sciences, 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. Photochemical and Photobiological Sciences, 2005, 4, 216.	2.9	31
20	Synthesis and evaluation of photolabile sulfonamides as potential reagents for rapid photorelease of neuroactive amines. Journal of the Chemical Society Perkin Transactions 1, 1996, , 1583.	0.9	30
21	A backbone amide protecting group for overcoming difficult sequences and suppressing aspartimide formation. Journal of Peptide Science, 2016, 22, 360-367.	1.4	29
22	Mannich reactions of Ï€-excessive heterocycles using bis-(dialkylamino)methanes and alkoxydialkylaminomethanes activated with acetyl chloride or sulphur dioxide. Tetrahedron Letters, 1988, 29, 2997-3000.	1.4	28
23	Mannich reactions of oxazolidines. Tetrahedron Letters, 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. Tetrahedron Letters, 1990, 31, 4229-4232.	1.4	28
25	The functionalisation of electron rich aromatic compounds with 1,3-oxazolidines and 1,3-dimethylimidazolidine. Tetrahedron, 1997, 53, 14381-14396.	1.9	28
26	Mannich reactiohs of aryltrialkylstannunes in aprotic solvents. Tetrahedron, 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. Photochemical and Photobiological Sciences, 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. Scientific Reports, 2018, 8, 728.	3.3	24
29	REGIOSELECTIVE NITRATION OF 1-ACYL-4-METHOXYINDOLINES LEADS TO EFFICIENT SYNTHESIS OF A PHOTOLABILEl-GLUTAMATE PRECURSOR. Synthetic Communications, 2002, 32, 1571-1577.	2.1	23
30	Automated synthesis of backbone protected peptides. Chemical Communications, 2014, 50, 8316-8319.	4.1	22
31	MCT2 mediates concentration-dependent inhibition of glutamine metabolism by MOG. Nature Chemical Biology, 2018, 14, 1032-1042.	8.0	22
32	A New Synthesis of Primary Amines Usingtert-Butylamine as an Ammonia Equivalent: The Triflic Acid Catalysed Removal ofN-tert-Butyl Groups from Carbamates. Synlett, 1990, 1990, 621-623.	1.8	21
33	Synthetic and photochemical studies of N-arenesulfonyl amino acids. Tetrahedron, 1999, 55, 237-254.	1.9	20
34	Synthesis of an anionically substituted nitroindoline-caged GABA reagent that has reduced affinity for GABA receptors. Tetrahedron, 2007, 63, 9668-9676.	1.9	20
35	A mononuclear copper(II) complex of an unsymmetrical dinucleating ligand. Journal of the Chemical Society Dalton Transactions, 1995, , 1883.	1.1	18
36	Mechanisms of photorelease of carboxylic acids from 1-acyl-7-nitroindolines in solutions of varying water content. Photochemical and Photobiological Sciences, 2002, 1, 960-9.	2.9	15

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37	The effect of sulphur dioxide on the mannich reactions of phenols. Tetrahedron Letters, 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. Tetrahedron, 1996, 52, 3473-3486.	1.9	14
39	The activation of aminals and aminol ethers by sulfur dioxide and their reactions with electron rich aromatic compounds. Tetrahedron, 1997, 53, 13361-13372.	1.9	14
40	Optimised synthesis and photochemistry of antenna-sensitised 1-acyl-7-nitroindolines. Tetrahedron, 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. Tetrahedron, 2011, 67, 5228-5234.	1.9	13
42	Scaffold-hopping identifies furano[2,3-d]pyrimidine amides as potent Notum inhibitors. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 126751.	2.2	13
43	Tandem and Stepwise Reactions of Î²-(3,4-Dialkoxyphenyl)ethylamine Bis(aminol) Ethers in Syntheses ofN-Arylmethyl-6,7-dimethoxy-1,2,3,4-tetrahydroisoquinolines: A Synthesis of Sendaverine Methyl Ether. Synlett, 1990, 1990, 617-618.	1.8	12
44	The synthesis of 2-arylmethyltetrahydroisoquinolines from bis(aminol) ethers involving two iminium salt intermediates. Tetrahedron, 1995, 51, 10737-10750.	1.9	12
45	Diastereoselective Reactions of Trialkylsilyl Enol Ethers with Acyliminium Ions. Synlett, 1990, 1990, 619-621.	1.8	11
46	Synthesis of unsymmetrical dinucleating ligands bearing nitrogen and oxygen donor atoms. Tetrahedron, 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 Derivativeâ€. Biochemistry, 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. Beilstein Journal of Organic Chemistry, 2019, 15, 2790-2797.	2.2	10
49	Synthesis of Unsymmetrical Dinucleating Ligands from Mannich Bases. Synlett, 1994, 1994, 79-81.	1.8	8
50	Auxiliary-assisted chemical ubiquitylation of NEMO and linear extension by HOIP. Communications Chemistry, 2019, 2, 111.	4.5	7
51	Non-photochemical rearrangements of o-nitrobenzyl compounds. Journal of the Chemical Society Perkin Transactions 1, 1999, , 2977-2982.	0.9	4
52	A strategy to avoid anomalousO-alkylation of 4-hydroxyindole by diethyl bromomalonate. Journal of Heterocyclic Chemistry, 2005, 42, 1101-1104.	2.6	4
53	Synthesis and characterisation of13C and15N isotopomers of a 1-acyl-7-nitroindoline. Journal of Labelled Compounds and Radiopharmaceuticals, 2001, 44, 619-626.	1.0	3
54	An improved method for the incorporation of fluoromethyl ketones into solid phase peptide synthesis techniques. RSC Advances, 2021, 11, 20457-20464.	3.6	2

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55	Photolysis of a Caged, Fast-Equilibrating Glutamate Receptor Antagonist, MNI-Caged Î³-D-Glutamyl-Glycine, to Investigate Transmitter Dynamics and Receptor Properties at Glutamatergic Synapses. Frontiers in Cellular Neuroscience, 2018, 12, 465.	3.7	1
56	Synthesis of Amide Backbone-Modified Peptides. Methods in Molecular Biology, 2020, 2103, 225-237.	0.9	1
57	Synthesis and Photolytic Assessment of Nitroindolinyl-Caged Calcium Ion Chelators. Molecules, 2022, 27, 2645.	3.8	1
58	Dimethylbis(5-methylfurfuryl)ammonium chloride. Acta Crystallographica Section C: Crystal Structure Communications, 1990, 46, 64-66.	0.4	0
59	A Strategy to Avoid Anomalous O-Alkylation of 4-Hydroxyindole by Diethyl Bromomalonate.. ChemInform, 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. Biophysical Journal, 2019, 116, 428a.	0.5	0