Ian M Eggleston

List of Publications by Year
in descending order

57 papers	2,455 citations	201674 27 h-index	206112 48 g-index
62 all docs	62 docs citations	62 times ranked	3535 citing authors

#	Article	IF	Citations
1	The cancer chemopreventive actions of phytochemicals derived from glucosinolates. European Journal of Nutrition, 2008, 47, 73-88.	3.9	340
2	Structural insights into the mechanism and inhibition of eukaryotic O-GlcNAc hydrolysis. EMBO Journal, 2006, 25, 1569-1578.	7.8	181
3	Transcription factor Nrf2 mediates an adaptive response to sulforaphane that protects fibroblasts in vitro against the cytotoxic effects of electrophiles, peroxides and redox-cycling agents. Toxicology and Applied Pharmacology, 2009, 237, 267-280.	2.8	152
4	Structure-Based Exploration of Cyclic Dipeptide Chitinase Inhibitors. Journal of Medicinal Chemistry, 2004, 47, 5713-5720.	6.4	134
5	Ellman's-reagent-mediated regeneration of trypanothione in situ: substrate-economical microplate and time-dependent inhibition assays for trypanothione reductase. Biochemical Journal, 2003, 369, 529-537.	3.7	92
6	Natural product family 18 chitinase inhibitors. Natural Product Reports, 2005, 22, 563.	10.3	79
7	Specificity of the trypanothione-dependent Leishmania major glyoxalase I: structure and biochemical comparison with the human enzyme. Molecular Microbiology, 2006, 59, 1239-1248.	2.5	76
8	Effective photoinactivation of Gram-positive and Gram-negative bacterial strains using an HIV-1 Tat peptideâ€"porphyrin conjugate. Photochemical and Photobiological Sciences, 2010, 9, 1613-1620.	2.9	74
9	Structural Features and Ligand Binding Properties of Tandem WW Domains from YAP and TAZ, Nuclear Effectors of the Hippo Pathway. Biochemistry, 2011, 50, 3300-3309.	2.5	68
10	Solution structure of regioselectively addressable functionalized templates: An NMR and restrained molecular dynamics investigation. , 1998, 39, 297-308.		61
11	Structure-Based Dissection of the Natural Product Cyclopentapeptide Chitinase Inhibitor Argifin. Chemistry and Biology, 2008, 15, 295-301.	6.0	59
12	Enhanced paracellular transport of insulin can be achieved via transient induction of myosin light chain phosphorylation. Journal of Controlled Release, 2015, 210, 189-197.	9.9	59
13	Fluorescence Lifetime Imaging and FRETâ€Induced Intracellular Redistribution of Tatâ€Conjugated Quantum Dot Nanoparticles through Interaction with a Phthalocyanine Photosensitiser. Small, 2014, 10, 782-792.	10.0	58
14	The cyclic dipeptide CI-4 [cyclo-(l-Arg-d-Pro)] inhibits family 18 chitinases by structural mimicry of a reaction intermediate. Biochemical Journal, 2002, 368, 23-27.	3.7	57
15	Human YKL-39 is a pseudo-chitinase with retained chitooligosaccharide-binding properties. Biochemical Journal, 2012, 446, 149-157.	3.7	55
16	Screening-based Discovery and Structural Dissection of a Novel Family 18 Chitinase Inhibitor. Journal of Biological Chemistry, 2006, 281, 27278-27285.	3.4	53
17	5-Aminolaevulinic acid peptide prodrugs enhance photosensitization for photodynamic therapy. Molecular Cancer Therapeutics, 2008, 7, 1720-1729.	4.1	44
18	Analyzing Airway Inflammation with Chemical Biology: Dissection of Acidic Mammalian Chitinase Function with a Selective Drug-like Inhibitor. Chemistry and Biology, 2011, 18, 569-579.	6.0	44

#	Article	IF	Citations
19	Natural Productâ€“Guided Discovery of a Fungal Chitinase Inhibitor. Chemistry and Biology, 2010, 17, 1275-1281.	6.0	41
20	Photochemical internalisation of a macromolecular protein toxin using a cell penetrating peptide-photosensitiser conjugate. Journal of Controlled Release, 2012, 157, 305-313.	9.9	41
21	An efficient synthesis of argifin: A natural product chitinase inhibitor with chemotherapeutic potential. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 4717-4721.	2.2	39
22	1-Cyano-2,3-epithiopropane is a novel plant-derived chemopreventive agent which induces cytoprotective genes that afford resistance against the genotoxic Â,Â-unsaturated aldehyde acrolein. Carcinogenesis, 2009, 30, 1754-1762.	2.8	36
23	Improved Peptide Prodrugs of 5-ALA for PDT: Rationalization of Cellular Accumulation and Protoporphyrin IX Production by Direct Determination of Cellular Prodrug Uptake and Prodrug Metabolization. Journal of Medicinal Chemistry, 2009, 52, 4026-4037.	6.4	36
24	Solid-phase synthesis of cyclic peptide chitinase inhibitors: SAR of the argifin scaffold. Organic and Biomolecular Chemistry, 2009, 7, 259-268.	2.8	35
25	Chemical approaches for the enhancement of 5-aminolevulinic acid-based photodynamic therapy and photodiagnosis. Photochemical and Photobiological Sciences, 2018, 17, 1553-1572.	2.9	32
26	Total Synthesis of Dolatrienoic Acid:Â A Subunit of Dolastatin 14. Journal of Organic Chemistry, 1997, 62, 3332-3339.	3.2	31
27	Time-dependent inhibitors of trypanothione reductase: Analogues of the spermidine alkaloid lunarine and related natural products. Bioorganic and Medicinal Chemistry, 2006, 14, 2266-2278.	3.0	31
28	Endolysosomal targeting of a clinical chlorin photosensitiser for light-triggered delivery of nano-sized medicines. Scientific Reports, 2017, 7, 6059.	3.3	30
29	Benzofuranyl 3,5-bis-Polyamine derivatives as time-Dependent inhibitors of trypanothione reductase. Bioorganic and Medicinal Chemistry, 2003, 11, 3683-3693.	3.0	27
30	Amyloid PeptideÎ²1-42 Induces IntegrinÎ±IIbÎ²3 Activation, Platelet Adhesion, and Thrombus Formation in a NADPH Oxidase-Dependent Manner. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-12.	4.0	27
31	Novel prodrug approach to photodynamic therapy: Fmoc solid-phase synthesis of a cell permeable peptide incorporating 5-aminolaevulinic acid. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 4518-4522.	2.2	26
32	Skin Protection Against UVA-Induced Iron Damage by Multiantioxidants and Iron Chelating Drugs/Prodrugs. Current Drug Metabolism, 2010, 11, 242-249.	1.2	24
33	Efficient synthesis of 1,3,7-substituted xanthines by a safety-catch protection strategy. Tetrahedron, 2007, 63, 12294-12302.	1.9	23
34	Codelivery of a cytotoxin and photosensitiser via a liposomal nanocarrier: a novel strategy for light-triggered cytosolic release. Nanoscale, 2018, 10, 20366-20376.	5.6	23
35	First Synthesis of Argadin: A Nanomolar Inhibitor of Family-18 Chitinases. European Journal of Organic Chemistry, 2006, 2006, 5002-5006.	2.4	22
36	A fluorescent Argâ€“Glyâ€“Asp (RGD) peptideâ€“naphthalenediimide (NDI) conjugate for imaging integrin Î±_vÎ²₃in vitro. Chemical Communications, 2015, 51, 6901-6904.	4.1	21

#	Article	IF	Citations
37	Regiocontrolled synthesis of the macrocyclic polyamine alkaloid (Â±)-lunarine, a time-dependent inhibitor of trypanothione reductase. Journal of the Chemical Society, Perkin Transactions 1, 2002, , 1115-1123.	1.3	20
38	Bisdionin Câ€"A Rationally Designed, Submicromolar Inhibitor of Family 18 Chitinases. ACS Medicinal Chemistry Letters, 2011, 2, 428-432.	2.8	20
39	An intestinal paracellular pathway biased toward positively-charged macromolecules. Journal of Controlled Release, 2018, 288, 111-125.	9.9	20
40	A novel flow cytometry assay using dihydroethidium as redox-sensitive probe reveals NADPH oxidase-dependent generation of superoxide anion in human platelets exposed to amyloid peptide Î². Platelets, 2019, 30, 181-189.	2.3	17
41	An efficient synthesis of 5-aminolaevulinic acid (ALA)-containing peptides for use in photodynamic therapy. Tetrahedron, 2005, 61, 6951-6958.	1.9	16
42	Mechanistic studies of a cell-permeant peptide designed to enhance myosin light chain phosphorylation in polarized intestinal epithelia. Journal of Controlled Release, 2018, 279, 208-219.	9.9	16
43	Very Short and Efficient Syntheses of the Spermine Alkaloid Kukoamine A and Analogs Using Isolable Succinimidyl Cinnamates. Chemistry Letters, 2005, 34, 264-265.	1.3	15
44	The Use of Dipeptide Derivatives of 5-Aminolaevulinic Acid Promotes Their Entry to Tumor Cells and Improves Tumor Selectivity of Photodynamic Therapy. Molecular Cancer Therapeutics, 2015, 14, 440-451.	4.1	15
45	Daylight-PDT: everything under the sun. Biochemical Society Transactions, 2022, 50, 975-985.	3.4	14
46	Development of a peptide-based fluorescent probe for biological heme monitoring. Organic and Biomolecular Chemistry, 2019, 17, 467-471.	2.8	13
47	Convenient Preparation ofNâ€Maleoyl Amino Acid Succinimido Esters usingNâ€Trifluoroacetoxysuccinimide. Synthetic Communications, 2008, 38, 303-308.	2.1	12
48	Protein mimetics (TASP) by sequential condensation of peptide loops to an immobilised topological template. Tetrahedron, 1997, 53, 7231-7236.	1.9	10
49	Quantitative determination of 5-aminolaevulinic acid and its esters in cell lysates by HPLC-fluorescence. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 875, 562-566.	2.3	10
50	Structural Investigations, Cellular Imaging, and Radiolabeling of Neutral, Polycationic, and Polyanionic Functional Metalloporphyrin Conjugates. Bioconjugate Chemistry, 2021, 32, 1374-1392.	3.6	10
51	Biofilm-specific uptake of a 4-pyridone-based iron chelator by Pseudomonas aeruginosa. BioMetals, 2021, 34, 315-328.	4.1	7
52	A peptide from the staphylococcal protein Efb binds Pâ€selectin and inhibits the interaction of platelets with leukocytes. Journal of Thrombosis and Haemostasis, 2022, 20, 729-741.	3.8	5
53	Synthesis and Structure-based Dissection of Cyclic Peptide Chitinase Inhibitors: New Leads for Antifungal and Anti-Inflammatory Drugs. Advances in Experimental Medicine and Biology, 2009, 611, 525-526.	1.6	2
54	Protein de novo design: Macromolecules with tailormade properties. Macromolecular Symposia, 1996, 101, 397-404.	0.7	1

#	Article	IF	Citations
55	Natural Product Family 18 Chitinase Inhibitors. ChemInform, 2006, 37, no.	0.0	1
56	SPPS of the Natural Product Chitinase Inhibitor Argifin: Library Generation and Biological Evaluation. Advances in Experimental Medicine and Biology, 2009, 611, 143-144.	1.6	0
57	Peptide Targeting of Photosensitisers for Photodynamic Therapy and Drug Delivery. ECS Meeting Abstracts, 2020, MA2020-01, 947-947.	0.0	0