

# Joanne T Blanchfield

## List of Publications by Year in descending order

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72  
papers

1,800  
citations

236612

25  
h-index

288905

40  
g-index

76  
all docs

76  
docs citations

76  
times ranked

2348  
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved resistance to serum oxidation in Gilbert's syndrome: A mechanism for cardiovascular protection. <i>Atherosclerosis</i> , 2008, 199, 390-396.	0.4	108
2	Boric Acid Catalyzed Chemoselective Esterification of $\beta$ -Hydroxycarboxylic Acids. <i>Organic Letters</i> , 2004, 6, 679-681.	2.4	95
3	Permeability studies of alkylamides and caffeic acid conjugates from echinacea using a Caco-2 cell monolayer model. <i>Journal of Clinical Pharmacy and Therapeutics</i> , 2004, 29, 7-13.	0.7	79
4	Synthesis and Biological Evaluation of an Orally Active Glycosylated Endomorphin-1. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 5859-5867.	2.9	72
5	Synthesis, Structure Elucidation, in Vitro Biological Activity, Toxicity, and Caco-2 Cell Permeability of Lipophilic Analogues of $\beta$ -Conotoxin MII. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 1266-1272.	2.9	69
6	Cyclic tetrapeptides from marine bacteria associated with the seaweed <i>Digenea</i> sp. and the sponge <i>Halisarca ectofibrosa</i> . <i>Tetrahedron</i> , 2008, 64, 3147-3152.	1.0	66
7	The anti-mutagenic properties of bile pigments. <i>Mutation Research - Reviews in Mutation Research</i> , 2008, 658, 28-41.	2.4	64
8	Three Unusual Reactions Mediate Carbapenem and Carbapenam Biosynthesis. <i>Journal of the American Chemical Society</i> , 2000, 122, 9296-9297.	6.6	62
9	Particulate Systems as Adjuvants and Carriers for Peptide and Protein Antigens. <i>Current Drug Delivery</i> , 2006, 3, 379-388.	0.8	62
10	Stingless bee honey, a novel source of trehalulose: a biologically active disaccharide with health benefits. <i>Scientific Reports</i> , 2020, 10, 12128.	1.6	58
11	Characterisation of alkaloids from some Australian <i>Stephania</i> (Menispermaceae) species. <i>Phytochemistry</i> , 2003, 63, 711-720.	1.4	57
12	Synthesis and in vitro evaluation of a library of modified endomorphin 1 peptides. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 6286-6296.	1.4	52
13	Design of bioavailable derivatives of 12-(3-adamantan-1-yl-ureido)dodecanoic acid, a potent inhibitor of the soluble epoxide hydrolase. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 312-323.	1.4	49
14	Micellar Aggregation and Membrane Partitioning of Bile Salts, Fatty Acids, Sodium Dodecyl Sulfate, and Sugar-Conjugated Fatty Acids: A Correlation with Hemolytic Potency and Implications for Drug Delivery. <i>Molecular Pharmaceutics</i> , 2004, 1, 233-245.	2.3	42
15	Lipid, Sugar and Liposaccharide Based Delivery Systems 2. <i>Current Medicinal Chemistry</i> , 2004, 11, 2375-2382.	1.2	39
16	Identification of Bacterial Protein O-Oligosaccharyltransferases and Their Glycoprotein Substrates. <i>PLoS ONE</i> , 2013, 8, e62768.	1.1	38
17	Bile pigment pharmacokinetics and absorption in the rat: therapeutic potential for enteral administration. <i>British Journal of Pharmacology</i> , 2011, 164, 1857-1870.	2.7	36
18	Synthesis of a library of polycationic lipid core dendrimers and their evaluation in the delivery of an oligonucleotide with hVEGF inhibition. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 4775-4780.	1.4	34

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19	The anti-mutagenic and antioxidant effects of bile pigments in the Ames Salmonella test. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2007, 629, 122-132.	0.9	31
20	A novel synthetic adjuvant enhances dendritic cell function. <i>Immunology</i> , 2009, 128, e582-8.	2.0	31
21	Steroidal saponins from the roots of <i>Smilax</i> sp.: Structure and bioactivity. <i>Steroids</i> , 2012, 77, 504-511.	0.8	30
22	Isolation of Thuridillins Dâ€“F, Diterpene Metabolites from the Australian Sacoglossan Mollusk <i>Thuridilla splendens</i> ; Relative Configuration of the Epoxylactone Ring. <i>Journal of Natural Products</i> , 2012, 75, 1618-1624.	1.5	30
23	Lipo-Endomorphin-1 Derivatives with Systemic Activity against Neuropathic Pain without Producing Constipation. <i>PLoS ONE</i> , 2012, 7, e41909.	1.1	29
24	Oral absorption and in vivo biodistribution of Î±-conotoxin MII and a lipidic analogue. <i>Biochemical and Biophysical Research Communications</i> , 2007, 361, 97-102.	1.0	28
25	A Comparison of Sesquiterpene Scaffolds across Different Populations of the Tropical Marine Sponge <i>Acanthella cavernosa</i> . <i>Journal of Natural Products</i> , 2007, 70, 1725-1730.	1.5	28
26	Fluorescent macrolide probes â€“ synthesis and use in evaluation of bacterial resistance. <i>RSC Chemical Biology</i> , 2020, 1, 395-404.	2.0	28
27	Back to (non)-Basics: Recent Developments in Neutral and Charge- Balanced Glycosidase Inhibitors. <i>Mini-Reviews in Medicinal Chemistry</i> , 2003, 3, 669-678.	1.1	24
28	Isolation of Norsesterterpenes and Spongian Diterpenes from <i>Dorisprismatica</i> (=) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Td (<	1.5	23
29	Caco-2 Cell Permeability of Flavonoids and Saponins from <i>Gynostemma pentaphyllum</i> : the Immortal Herb. <i>ACS Omega</i> , 2020, 5, 21561-21569.	1.6	23
30	In vitro stability and permeability studies of liposomal delivery systems for a novel lipophilic endomorphin 1 analogue. <i>International Journal of Pharmaceutics</i> , 2008, 356, 37-43.	2.6	21
31	Lipophilic derivatives of leu-enkephalinamide: In vitro permeability, stability and in vivo nasal delivery. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 1528-1534.	1.4	20
32	Endomorphin Derivatives with Improved Pharmacological Properties. <i>Current Medicinal Chemistry</i> , 2013, 20, 2741-2758.	1.2	20
33	Oxygenated Terpenoids from the Australian Sponges <i>Coscinoderma matthewsi</i> and <i>Dysidea</i> sp., and the Nudibranch <i>Chromodoris albopunctata</i> . <i>Australian Journal of Chemistry</i> , 2012, 65, 531.	0.5	19
34	Pyrrrolizidine Alkaloids of Blue Heliotrope ( <i>Heliotropium amplexicaule</i> ) and Their Presence in Australian Honey. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 7995-8006.	2.4	19
35	A Semi-quantitative method for the detection of fentanyl using surface-enhanced Raman scattering (SERS) with a handheld Raman instrument. <i>Journal of Forensic Sciences</i> , 2021, 66, 505-519.	0.9	19
36	In vitro permeability and metabolic stability of bile pigments and the effects of hydrophilic and lipophilic modification of biliverdin. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 3616-3625.	1.4	18

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37	Peripherally acting novel lipo-endorphin-1 peptides in neuropathic pain without producing constipation. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 1898-1904.	1.4	17
38	The stability of lipidic analogues of GnRH in plasma and kidney preparations: the stereoselective release of the parent peptide. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 1609-1612.	1.0	15
39	Investigation of the Route of Absorption of Lipid and Sugar Modified Leu- Enkephalin Analogues and Their Enzymatic Stability Using the Caco-2 Cell Monolayer System. <i>Medicinal Chemistry</i> , 2006, 2, 203-211.	0.7	14
40	A Facile Solvent-Free Cannizzaro Reaction. <i>Journal of Chemical Education</i> , 2009, 86, 85.	1.1	14
41	Caco-2 Monolayer Permeability and Stability of <i>Chamaelirium luteum</i> (False Unicorn) Open-Chain Steroidal Saponins. <i>ACS Omega</i> , 2019, 4, 7658-7666.	1.6	14
42	A simple iterative method for the synthesis of Î²-(1â†’6)-glucosamine oligosaccharides. <i>Carbohydrate Research</i> , 2013, 371, 68-76.	1.1	13
43	Bilirubin and Related Tetrapyrroles Inhibit Food-Borne Mutagenesis: A Mechanism for Antigenotoxic Action against a Model Epoxide. <i>Journal of Natural Products</i> , 2013, 76, 1958-1965.	1.5	13
44	Enhanced Transdermal Peptide Delivery and Stability by Lipid Conjugation: Epidermal Permeation, Stereoselectivity and Mechanistic Insights. <i>Pharmaceutical Research</i> , 2014, 31, 3304-3312.	1.7	13
45	Epidermal Penetration of a Therapeutic Peptide by Lipid Conjugation; Stereo-Selective Peptide Availability of a Topical Diastereomeric Lipopeptide. <i>International Journal of Peptide Research and Therapeutics</i> , 2006, 12, 327-333.	0.9	12
46	Permeability studies of Kavalactones using a Caco-2 cell monolayer model. <i>Journal of Clinical Pharmacy and Therapeutics</i> , 2007, 32, 233-239.	0.7	11
47	Modification of Peptides and Other Drugs Using Lipoamino Acids and Sugars. , 2005, 298, 45-61.		10
48	Comparison of the in vitro apparent permeability and stability of opioid mimetic compounds with that of the native peptide. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 2043-2046.	1.0	10
49	Chemo-Enzymatic Synthesis of a Trisaccharide-Linked Peptide Aimed at Improved Drug-Delivery. <i>Current Drug Delivery</i> , 2005, 2, 215-222.	0.8	9
50	Structure and stereochemistry of an anti-inflammatory anhydrosugar from the Australian marine sponge <i>Plakinastrella clathrata</i> and the synthesis of two analogues. <i>Tetrahedron</i> , 2013, 69, 8074-8079.	1.0	9
51	Caco-2 cell permeability and stability of two d-glucopyranuronamide conjugates of thyrotropin-releasing hormone. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 4946-4950.	1.4	8
52	Carbohydrate globules: molecular asterisk-cored dendrimers for carbohydrate presentation. <i>Polymer Chemistry</i> , 2014, 5, 1173-1179.	1.9	8
53	Oxygenated Diterpenes from the Indo-Pacific Nudibranchs <i>Goniobranchus splendidus</i> and <i>Ardeadoris egretta</i> . <i>Natural Product Communications</i> , 2016, 11, 921-924.	0.2	8
54	Chemical composition and antimicrobial activity of <i>Boswellia serrata</i> oleo-gum-resin essential oil extracted by superheated steam. <i>Natural Product Research</i> , 2023, 37, 2451-2456.	1.0	8

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55	The synthesis and structure of an n-terminal dodecanoic acid conjugate of $\hat{I}\pm$ -conotoxin MII. International Journal of Peptide Research and Therapeutics, 2001, 8, 235-239.	0.1	7
56	Concerning the Proposed Structure of (+)-Laurobtusol: Spectral Discrepancies with Synthetic, Racemic Stereoisomers. Australian Journal of Chemistry, 2004, 57, 673.	0.5	7
57	Acanthocyclamine A From the Indonesian Marine Sponge Acanthostrongylophora ingens. Australian Journal of Chemistry, 2014, 67, 1205.	0.5	7
58	Mercury(II)-mediated routes to some side-chain functionalised 1,7-dioxaspiro[5.5]undecanes. Applications of Luche-Barbier chemoselective addition to ketoaldehydes. Tetrahedron, 1991, 47, 1985-1996.	1.0	6
59	Alkaloids from some Australian <i>Stephania</i> (Menispermaceae) Species. Natural Product Research, 1993, 3, 305-312.	0.4	6
60	Oxygenated Diterpenes from the Indo-Pacific Nudibranchs Goniobranchus splendidus and Ardeadoris egretta. Natural Product Communications, 2016, 11, 1934578X1601100.	0.2	6
61	The Sequestration of Oxy-Polybrominated Diphenyl Ethers in the Nudibranchs <i>Miamira magnifica</i> and <i>Miamira miamirana</i> . Marine Drugs, 2016, 14, 198.	2.2	6
62	The synthesis and ring-opening metathesis polymerization of glycomonomers. RSC Advances, 2016, 6, 31256-31264.	1.7	6
63	Internalisation of the $\hat{I}\frac{1}{4}$ -opioid receptor by endomorphin-1 and leu-enkephalin is dependant on aromatic amino acid residues. Bioorganic and Medicinal Chemistry, 2008, 16, 4341-4346.	1.4	4
64	A Direct, Heavy Metal Free Synthesis of the $\beta$ -1,6-Linked GlcNAc Disaccharide. Australian Journal of Chemistry, 2011, 64, 536.	0.5	4
65	Chromolactol, an Oxygenated Diterpene from the Indo-Pacific Nudibranch Goniobranchus coi: Spectroscopic and Computational Studies. Australian Journal of Chemistry, 2018, 71, 798.	0.5	4
66	Design, synthesis and evaluation of alpha lipoic acid derivatives to treat multiple sclerosis-associated central neuropathic pain. Bioorganic and Medicinal Chemistry, 2022, 69, 116889.	1.4	3
67	Delivery of a lactose derivative of endomorphin 1 to the brain via the olfactory epithelial pathway. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 1373-1375.	1.0	2
68	The synthesis and structure of an n-terminal dodecanoic acid conjugate of $\hat{I}\pm$ -conotoxin MII. International Journal of Peptide Research and Therapeutics, 2001, 8, 235-239.	0.1	1
69	Cyclic Peroxides from a Two-Sponge Association of <i>Plakortis communis</i> - <i>Agelas mauritiana</i> . Natural Product Communications, 2013, 8, 1934578X1300800.	0.2	1
70	Isocyanates in marine sponges: Axisocyanate-3, a new sesquiterpene from <i>Acanthella cavernosa</i> . Arkivoc, 2007, 2007, 157-166.	0.3	1
71	Boric Acid Catalyzed Chemoselective Esterification of $\hat{I}\pm$ -Hydroxycarboxylic Acids.. ChemInform, 2004, 35, no.	0.1	0
72	The Chemo-enzymatic Synthesis of Oligosaccharide-linked Peptides Aimed at Improved Drug Delivery. , 2006, , 511-512.		0