

Peter Eaton

List of Publications by Year in descending order

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Version: 2024-02-01

91
papers

3,798
citations

147801

31
h-index

149698

56
g-index

93
all docs

93
docs citations

93
times ranked

6263
citing authors

#	ARTICLE	IF	CITATIONS
1	BR-bombesin: a novel bombesin-related peptide from the skin secretion of the Chaco tree frog (<i>Boana</i>) Tj ETQq1 1 0.784314 2.7	2.7	14
2	Neuroprotective effects on microglia and insights into the structure-activity relationship of an antioxidant peptide isolated from <i>Pelophylax perezii</i> . <i>Journal of Cellular and Molecular Medicine</i> , 2022, 26, 2793-2807.	3.6	7
3	Mechanistic Insights into the Leishmanicidal and Bactericidal Activities of Batroxicidin, a Cathelicidin-Related Peptide from a South American Viper (<i>Bothrops atrox</i>). <i>Journal of Natural Products</i> , 2021, 84, 1787-1798.	3.0	14
4	Promising self-emulsifying drug delivery system loaded with lycopene from red guava (<i>Psidium guajava</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Nanotechnology, 2021, 12, .	3.7	10
5	The peptide secreted at the water to land transition in a model amphibian has antioxidant effects. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20211531.	2.6	6
6	The Arsenal of Bioactive Molecules in the Skin Secretion of Urodele Amphibians. <i>Frontiers in Pharmacology</i> , 2021, 12, 810821.	3.5	5
7	Antibacterial application of natural and carboxymethylated cashew gum-based silver nanoparticles produced by microwave-assisted synthesis. <i>Carbohydrate Polymers</i> , 2020, 241, 115260.	10.2	27
8	Sustainably produced cashew gum-capped zinc oxide nanoparticles show antifungal activity against <i>Candida parapsilosis</i> . <i>Journal of Cleaner Production</i> , 2020, 247, 119085.	9.3	25
9	Cytotoxic activity of poly- ϵ -caprolactone lipid-core nanocapsules loaded with lycopene-rich extract from red guava (<i>Psidium guajava</i> L.) on breast cancer cells. <i>Food Research International</i> , 2020, 136, 109548.	6.2	26
10	Silver Nanostars-Coated Surfaces with Potent Biocidal Properties. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 7891.	2.6	5
11	Acetylated cashew-gum-based silver nanoparticles for the development of latent fingerprints on porous surfaces. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2020, 14, 100383.	2.9	1
12	Fluoroquinolone Metalloantibiotics: A Promising Approach against Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 3127.	2.6	10
13	Mechanisms of action of antimicrobial peptides ToAP2 and NDBP-5.7 against <i>Candida albicans</i> planktonic and biofilm cells. <i>Scientific Reports</i> , 2020, 10, 10327.	3.3	41
14	Novel Ocellatin Peptides Mitigate LPS-induced ROS Formation and NF- κ B Activation in Microglia and Hippocampal Neurons. <i>Scientific Reports</i> , 2020, 10, 2696.	3.3	19
15	The Antioxidant Peptide Salamandrin-I: First Bioactive Peptide Identified from Skin Secretion of <i>Salamandra</i> Genus (<i>Salamandra salamandra</i>). <i>Biomolecules</i> , 2020, 10, 512.	4.0	22
16	Intragenic Antimicrobial Peptide Hs02 Hampers the Proliferation of Single- and Dual-Species Biofilms of <i>P. aeruginosa</i> and <i>S. aureus</i> : A Promising Agent for Mitigation of Biofilm-Associated Infections. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3604.	4.1	17
17	Nanoparticles as template for porphyrin nanostructure growth. <i>Journal of Porphyrins and Phthalocyanines</i> , 2019, 23, 526-533.	0.8	3
18	Silver nanoparticle stabilized by hydrolyzed collagen and natural polymers: Synthesis, characterization and antibacterial-antifungal evaluation. <i>International Journal of Biological Macromolecules</i> , 2019, 135, 808-814.	7.5	39

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19	A multiparametric study of gold nanoparticles cytotoxicity, internalization and permeability using an <i>in vitro</i> model of blood-brain barrier. Influence of size, shape and capping agent. <i>Nanotoxicology</i> , 2019, 13, 990-1004.	3.0	26
20	Antifungal and anti-inflammatory potential of eschweilenol C-rich fraction derived from <i>Terminalia fagifolia</i> Mart. <i>Journal of Ethnopharmacology</i> , 2019, 240, 111941.	4.1	14
21	Identification of Eschweilenol C in derivative of <i>Terminalia fagifolia</i> Mart. and green synthesis of bioactive and biocompatible silver nanoparticles. <i>Industrial Crops and Products</i> , 2019, 137, 52-65.	5.2	25
22	Layer-by-layer films based on polyaniline, titanate nanotubes, and cetyl trimethyl ammonium bromide for antifungal coatings. <i>Journal of Coatings Technology Research</i> , 2019, 16, 1253-1262.	2.5	0
23	Copper nanoparticles stabilized with cashew gum: Antimicrobial activity and cytotoxicity against 4T1 mouse mammary tumor cell line. <i>Journal of Biomaterials Applications</i> , 2019, 34, 188-197.	2.4	13
24	Atomic Force Microscopy Is a Potent Technique to Study Eosinophil Activation. <i>Frontiers in Physiology</i> , 2019, 10, 1261.	2.8	4
25	Artifacts and Practical Issues in Atomic Force Microscopy. <i>Methods in Molecular Biology</i> , 2019, 1886, 3-28.	0.9	12
26	Acetylated cashew gum-based nanoparticles for the incorporation of alkaloid epiisopiloturine. <i>International Journal of Biological Macromolecules</i> , 2019, 128, 965-972.	7.5	31
27	Synergistic and antibiofilm properties of ocellatin peptides against multidrug-resistant <i>Pseudomonas aeruginosa</i> . <i>Future Microbiology</i> , 2018, 13, 151-163.	2.0	44
28	Anthelmintic, Antibacterial and Cytotoxicity Activity of Imidazole Alkaloids from <i>Pilocarpus microphyllus</i> Leaves. <i>Phytotherapy Research</i> , 2017, 31, 624-630.	5.8	30
29	Synergistic effects of <i>in vitro</i> combinations of pipartine, epiisopiloturine and praziquantel against <i>Schistosoma mansoni</i> . <i>Biomedicine and Pharmacotherapy</i> , 2017, 88, 488-499.	5.6	21
30	Chitosan-based silver nanoparticles: A study of the antibacterial, antileishmanial and cytotoxic effects. <i>Journal of Bioactive and Compatible Polymers</i> , 2017, 32, 397-410.	2.1	35
31	Antibacterial activity of novel peptide derived from Cry1Ab16 toxin and development of LbL films for foodborne pathogens control. <i>Materials Science and Engineering C</i> , 2017, 75, 503-509.	7.3	8
32	Thaulin-1: The first antimicrobial peptide isolated from the skin of a Patagonian frog <i>Pleurodema thaul</i> (Anura: Leptodactylidae: Leiuperinae) with activity against <i>Escherichia coli</i> . <i>Gene</i> , 2017, 605, 70-80.	2.2	21
33	A thin PANI and carrageenan-gold nanoparticle film on a flexible gold electrode as a conductive and low-cost platform for sensing in a physiological environment. <i>Journal of Materials Science</i> , 2017, 52, 13365-13377.	3.7	21
34	A direct comparison of experimental methods to measure dimensions of synthetic nanoparticles. <i>Ultramicroscopy</i> , 2017, 182, 179-190.	1.9	225
35	Quaternized cashew gum: An anti-staphylococcal and biocompatible cationic polymer for biotechnological applications. <i>Carbohydrate Polymers</i> , 2017, 157, 567-575.	10.2	57
36	In Situ Synthesis of Silver Nanoparticles in a Hydrogel of Carboxymethyl Cellulose with Phthalated-Cashew Gum as a Promising Antibacterial and Healing Agent. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2399.	4.1	56

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37	Ionic self-assembly reactions of a porphyrin octacation. <i>Tetrahedron</i> , 2016, 72, 6988-6995.	1.9	8
38	Ocellatinâ€œ<scp>PT</scp> antimicrobial peptides: Highâ€œresolution microscopy studies in antileishmania models and interactions with mimetic membrane systems. <i>Biopolymers</i> , 2016, 105, 873-886.	2.4	18
39	Understanding of the importance of the spore coat structure and pigmentation in the<i>Bacillus subtilis</i> spore resistance to low-pressure plasma sterilization. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 285401.	2.8	36
40	Antibacterial, antibiofilm and cytotoxic activities of <i>Terminalia fagifolia</i> Mart. extract and fractions. <i>Annals of Clinical Microbiology and Antimicrobials</i> , 2015, 14, 25.	3.8	26
41	Characterization and optimization of the haemozoin-like crystal (HLC) assay to determine Hz inhibiting effects of anti-malarial compounds. <i>Malaria Journal</i> , 2015, 14, 403.	2.3	9
42	Anthelmintic Activity In Vivo of Epiisopiloturine against Juvenile and Adult Worms of <i>Schistosoma mansoni</i> . <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003656.	3.0	51
43	Characterization and Biological Activities of Ocellatin Peptides from the Skin Secretion of the Frog <i>Leptodactylus pustulatus</i>. <i>Journal of Natural Products</i> , 2015, 78, 1495-1504.	3.0	37
44	Layer-by-Layer films based on biopolymers extracted from red seaweeds and polyaniline for applications in electrochemical sensors of chromium VI. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2015, 200, 9-21.	3.5	31
45	Effect of neem (<i>Azadirachta indica</i> A. Juss) leaf extract on resistant <i>Staphylococcus aureus</i> biofilm formation and <i>Schistosoma mansoni</i> worms. <i>Journal of Ethnopharmacology</i> , 2015, 175, 287-294.	4.1	44
46	Anti-leishmanial activity of the antimicrobial peptide DRS 01 observed in <i>Leishmania infantum</i> (syn.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.3	18
47	A soft strategy for covalent immobilization of glutathione and cysteine capped quantum dots onto amino functionalized surfaces. <i>Chemical Communications</i> , 2013, 49, 2518.	4.1	9
48	Europium Polyoxometalates Encapsulated in Silica Nanoparticles â€œ Characterization and Photoluminescence Studies. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 2877-2886.	2.0	26
49	Improved model systems for bacterial membranes from differing species: Theimportance of varying composition in PE/PG/cardiolipin ternary mixtures. <i>Molecular Membrane Biology</i> , 2012, 29, 207-217.	2.0	24
50	Controlled adsorption of cytochrome c to nanostructured gold surfaces. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	1.9	9
51	Contribution of the cashew gum (<i>Anacardium occidentale</i> L.) for development of layer-by-layer films with potential application in nanobiomedical devices. <i>Materials Science and Engineering C</i> , 2012, 32, 1588-1593.	7.3	40
52	Evaluation of chitoligosaccharides effect upon probiotic bacteria. <i>International Journal of Biological Macromolecules</i> , 2012, 50, 148-152.	7.5	12
53	Study of antimicrobial activity and atomic force microscopy imaging of the action mechanism of cashew tree gum. <i>Carbohydrate Polymers</i> , 2012, 90, 270-274.	10.2	46
54	Infection by <i>Plasmodium</i> changes shape and stiffness of hepatic cells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012, 8, 17-19.	3.3	36

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55	Nanoparticles in Molecular Diagnostics. Progress in Molecular Biology and Translational Science, 2011, 104, 427-488.	1.7	47
56	Ageing of vinyl emulsion paintsâ€™an atomic force microscopy study. Surface and Interface Analysis, 2011, 43, 1160-1164.	1.8	9
57	Synthesis of gold nanocubes in aqueous solution with remarkable shape-selectivity. Journal of Porphyrins and Phthalocyanines, 2011, 15, 441-448.	0.8	7
58	The Effects of Incorporated Silicone Oils and Calcium Carbonate on the Resistance to Settlement and the Antifouling Performance of a Silicone Elastomer. Journal of Adhesion Science and Technology, 2011, 25, 2183-2198.	2.6	6
59	AFM instrumentation. , 2010, , 9-48.		2
60	Measuring AFM images. , 2010, , 82-102.		1
61	AFM image processing and analysis. , 2010, , 103-120.		2
62	Cardiolipin, a key component to mimic the E. coli bacterial membrane in model systems revealed by dynamic light scattering and steady-state fluorescence anisotropy. Analytical and Bioanalytical Chemistry, 2010, 398, 1357-1366.	3.7	36
63	Antioxidant activity of chitoooligosaccharides upon two biological systems: Erythrocytes and bacteriophages. Carbohydrate Polymers, 2010, 79, 1101-1106.	10.2	71
64	New insights into the use of magnetic force microscopy to discriminate between magnetic and nonmagnetic nanoparticles. Nanotechnology, 2010, 21, 305706.	2.6	59
65	Novel Layer-by-Layer Interfacial [Ni(salen)]â€™Polyelectrolyte Hybrid Films. Langmuir, 2010, 26, 10842-10853.	3.5	22
66	One-pot synthesis of triangular gold nanoplates allowing broad and fine tuning of edge length. Nanoscale, 2010, 2, 2209.	5.6	73
67	Study of the antibacterial effects of chitosans on Bacillus cereus (and its spores) by atomic force microscopy imaging and nanoindentation. Ultramicroscopy, 2009, 109, 854-860.	1.9	78
68	Characterization of membrane protein reconstitution in LUVs of different lipid composition by fluorescence anisotropy. Journal of Pharmaceutical and Biomedical Analysis, 2009, 49, 276-281.	2.8	20
69	Gold nanoparticles for the development of clinical diagnosis methods. Analytical and Bioanalytical Chemistry, 2008, 391, 943-950.	3.7	448
70	Atomic force microscopy study of the antibacterial effects of chitosans on Escherichia coli and Staphylococcus aureus. Ultramicroscopy, 2008, 108, 1128-1134.	1.9	306
71	Effects of Chitoooligosaccharides on Human Red Blood Cell Morphology and Membrane Protein Structure. Biomacromolecules, 2008, 9, 3346-3352.	5.4	51
72	Probing Surface Properties of Cytochrome c at Au Bionanoconjugates. Journal of Physical Chemistry C, 2008, 112, 16340-16347.	3.1	32

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73	Imaging Gold Nanoparticles for DNA Sequence Recognition in Biomedical Applications. IEEE Transactions on Nanobioscience, 2007, 6, 282-288.	3.3	21
74	AFM and Electron Microscopy Study of the Unusual Aggregation Behavior of Metallosurfactants Based on Iron(II) Complexes with Bipyridine Ligands. Langmuir, 2007, 23, 7951-7957.	3.5	13
75	Glyconanoparticle-DNA Interactions: An Atomic Force Microscopy Study. IEEE Transactions on Nanobioscience, 2007, 6, 309-318.	3.3	15
76	Gold and Gold-Iron Oxide Magnetic Glyconanoparticles: Synthesis, Characterization and Magnetic Properties. Journal of Physical Chemistry B, 2006, 110, 13021-13028.	2.6	47
77	Structural and microtribological studies of Ti-C-N based nanocomposite coatings prepared by reactive sputtering. Thin Solid Films, 2005, 472, 64-70.	1.8	45
78	Structural Characterization of Self-Assembled Monolayers of Neoglycoconjugates Using Atomic Force Microscopy. Langmuir, 2005, 21, 6142-6144.	3.5	9
79	Thermodynamic Evidence for Ca ²⁺ -Mediated Self-Aggregation of Lewis X Gold Glyconanoparticles. A Model for Cell Adhesion via Carbohydrate-Carbohydrate Interaction. Journal of the American Chemical Society, 2005, 127, 6192-6197.	13.7	121
80	Desulfovibrio alaskensis sp. nov., a sulphate-reducing bacterium from a soured oil reservoir. International Journal of Systematic and Evolutionary Microbiology, 2004, 54, 1747-1752.	1.7	75
81	Mucin/Poly(acrylic acid) Interactions: A Spectroscopic Investigation of Mucoadhesion. Biomacromolecules, 2003, 4, 1184-1190.	5.4	133
82	Adhesion Force Mapping of Polymer Surfaces: Factors Influencing Force of Adhesion. Langmuir, 2002, 18, 3387-3389.	3.5	35
83	Combined Nanoindentation and Adhesion Force Mapping Using the Atomic Force Microscope: Investigations of a Filled Polysiloxane Coating. Langmuir, 2002, 18, 10011-10015.	3.5	22
84	Poly(di-1H,1H,2H,2H-perfluoroalkylitaconate) films: surface organisation phenomena, surface energy determinations and force of adhesion measurements. Polymer, 2002, 43, 1727-1734.	3.8	16
85	In situ and ex situ FTIR-ATR and Raman microscopic studies of organosilane hydrolysis and the effect of hydrolysis on silane diffusion through a polymeric film. Journal of Applied Polymer Science, 2001, 82, 2016-2026.	2.6	19
86	Confocal Raman microscopy for the depth profiling of polymer/polymer and polymer/glass interfaces. , 2000, 4129, 260.		0
87	ATR/FT-IR and Raman Microscopic Investigation of Diffusion and Distribution of Silane Coupling Agents in PVC Films. Applied Spectroscopy, 2000, 54, 508-516.	2.2	23
88	Mapping the Surface Heterogeneity of a Polymer Blend: An Adhesion-Force-Distribution Study Using the Atomic Force Microscope. Langmuir, 2000, 16, 7887-7890.	3.5	74
89	Poly(perfluoroalkyl methacrylate) Film Structures: Surface Organization Phenomena, Surface Energy Determinations, and Force of Adhesion Measurements. Macromolecules, 2000, 33, 8460-8465.	4.8	108
90	Raman microscopic studies of polymer surfaces and interfaces. Analysis - European Journal of Analytical Chemistry, 2000, 28, 30-33.	0.4	7

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91	Materials analysis using confocal Raman microscopy. <i>Macromolecular Symposia</i> , 1999, 141, 247-262.	0.7	20