

Steve Bourgault

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5059437/publications.pdf>

Version: 2024-02-01

45
papers

2,158
citations

394421

19
h-index

223800

46
g-index

46
all docs

46
docs citations

46
times ranked

2833
citing authors

#	ARTICLE	IF	CITATIONS
1	Pituitary Adenylate Cyclase-Activating Polypeptide and Its Receptors: 20 Years after the Discovery. <i>Pharmacological Reviews</i> , 2009, 61, 283-357.	16.0	948
2	Nanoparticle-Based Vaccines Against Respiratory Viruses. <i>Frontiers in Immunology</i> , 2019, 10, 22.	4.8	213
3	Sulfated Glycosaminoglycans Accelerate Transthyretin Amyloidogenesis by Quaternary Structural Conversion. <i>Biochemistry</i> , 2011, 50, 1001-1015.	2.5	89
4	Mechanisms of transthyretin cardiomyocyte toxicity inhibition by resveratrol analogs. <i>Biochemical and Biophysical Research Communications</i> , 2011, 410, 707-713.	2.1	85
5	Molecular and Conformational Determinants of Pituitary Adenylate Cyclase-Activating Polypeptide (PACAP) for Activation of the PAC1 Receptor. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 3308-3316.	6.4	76
6	Delineating the Role of Helical Intermediates in Natively Unfolded Polypeptide Amyloid Assembly and Cytotoxicity. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 14383-14387.	13.8	59
7	New insights into the roles of sulfated glycosaminoglycans in islet amyloid polypeptide amyloidogenesis and cytotoxicity. <i>Biopolymers</i> , 2013, 100, 645-655.	2.4	43
8	Thioflavin T fluorescence to analyse amyloid formation kinetics: Measurement frequency as a factor explaining irreproducibility. <i>Analytical Biochemistry</i> , 2017, 532, 83-86.	2.4	43
9	Heparin Binds 8 kDa Gelsolin Cross- β -Sheet Oligomers and Accelerates Amyloidogenesis by Hastening Fibril Extension. <i>Biochemistry</i> , 2011, 50, 2486-2498.	2.5	42
10	Compartmentalized processing of catechols during mussel byssus fabrication determines the destiny of DOPA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 7613-7621.	7.1	42
11	Protein Supramolecular Structures: From Self-Assembly to Nanovaccine Design. <i>Nanomaterials</i> , 2020, 10, 1008.	4.1	40
12	Role of Site-Specific Asparagine Deamidation in Islet Amyloid Polypeptide Amyloidogenesis: Key Contributions of Residues 14 and 21. <i>Biochemistry</i> , 2017, 56, 3808-3817.	2.5	39
13	Engineering and evaluation of amyloid assemblies as a nanovaccine against the Chikungunya virus. <i>Nanoscale</i> , 2018, 10, 19547-19556.	5.6	31
14	Identification of a hinge residue controlling islet amyloid polypeptide self-assembly and cytotoxicity. <i>Journal of Biological Chemistry</i> , 2019, 294, 8452-8463.	3.4	31
15	Modulation of amyloid assembly by glycosaminoglycans: from mechanism to biological significance. <i>Biochemistry and Cell Biology</i> , 2017, 95, 329-337.	2.0	30
16	Secondary conformational conversion is involved in glycosaminoglycans-mediated cellular uptake of the cationic cell-penetrating peptide PACAP. <i>FEBS Letters</i> , 2014, 588, 4590-4596.	2.8	27
17	Guiding the Morphology of Amyloid Assemblies by Electrostatic Capping: from Polymorphic Twisted Fibrils to Uniform Nanorods. <i>Small</i> , 2019, 15, e1901806.	10.0	23
18	Amyloid self-assembling peptides: Potential applications in nanovaccine engineering and biosensing. <i>Peptide Science</i> , 2019, 111, e24095.	1.8	23

#	ARTICLE	IF	CITATIONS
19	Molecular Interactions of Tannic Acid with Proteins Associated with SARS-CoV-2 Infectivity. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2643.	4.1	21
20	HIV-1 Antisense Protein of Different Clades Induces Autophagy and Associates with the Autophagy Factor p62. <i>Journal of Virology</i> , 2019, 93, .	3.4	20
21	Self-assembled peptide nanorod vaccine confers protection against influenza A virus. <i>Biomaterials</i> , 2021, 269, 120672.	11.4	20
22	Probing the role of λ 6 immunoglobulin light chain dimerization in amyloid formation. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2016, 1864, 409-418.	2.3	19
23	Mechanistic Contributions of Biological Cofactors in Islet Amyloid Polypeptide Amyloidogenesis. <i>Journal of Diabetes Research</i> , 2015, 2015, 1-13.	2.3	17
24	Supramolecular Nanostructures Based on Perylene Diimide Bioconjugates: From Self-Assembly to Applications. <i>Nanomaterials</i> , 2022, 12, 1223.	4.1	16
25	Identification of transmissible proteotoxic oligomer-like fibrils that expand conformational diversity of amyloid assemblies. <i>Communications Biology</i> , 2021, 4, 939.	4.4	15
26	Harnessing the Activation of Toll-Like Receptor 2/6 by Self-Assembled Cross- β Fibrils to Design Adjuvanted Nanovaccines. <i>Nanomaterials</i> , 2020, 10, 1981.	4.1	14
27	Corilagin and 1,3,6-Tri-O-galloyl- β -D-glucose: potential inhibitors of SARS-CoV-2 variants. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 14873-14888.	2.8	12
28	Kinetic and Conformational Insights into Islet Amyloid Polypeptide Self-Assembly Using a Biarsenical Fluorogenic Probe. <i>Bioconjugate Chemistry</i> , 2018, 29, 517-527.	3.6	11
29	Cell surface glycosaminoglycans exacerbate plasma membrane perturbation induced by the islet amyloid polypeptide. <i>FASEB Journal</i> , 2021, 35, e21306.	0.5	10
30	Functional interaction of ubiquitin ligase RNF167 with UBE2D1 and UBE2N promotes ubiquitination of AMPA receptor. <i>FEBS Journal</i> , 2021, 288, 4849-4868.	4.7	10
31	Cell-Penetrating Ability of Peptide Hormones: Key Role of Glycosaminoglycans Clustering. <i>International Journal of Molecular Sciences</i> , 2015, 16, 27391-27400.	4.1	9
32	Glycosaminoglycans Induce Amyloid Self-Assembly of a Peptide Hormone by Concerted Secondary and Quaternary Conformational Transitions. <i>Biochemistry</i> , 2019, 58, 1214-1225.	2.5	9
33	Myeloid-resident neuropilin-1 promotes choroidal neovascularization while mitigating inflammation. <i>EMBO Molecular Medicine</i> , 2021, 13, e11754.	6.9	9
34	Effects of oxidative post-translational modifications on structural stability and self-assembly of λ 6 immunoglobulin light chain. <i>Biophysical Chemistry</i> , 2016, 219, 59-68.	2.8	8
35	Low generation anionic dendrimers modulate islet amyloid polypeptide self-assembly and inhibit pancreatic β -cell toxicity. <i>RSC Advances</i> , 2016, 6, 76360-76369.	3.6	8
36	Recombinant <i>Bacillus subtilis</i> flagellin Hag is a potent immunostimulant with reduced proinflammatory properties compared to <i>Salmonella enterica</i> serovar Typhimurium FljB. <i>Vaccine</i> , 2022, 40, 11-17.	3.8	7

#	ARTICLE	IF	CITATIONS
37	Identification of a novel TLR5 agonist derived from the P97 protein of <i>Mycoplasma hyopneumoniae</i> . <i>Immunobiology</i> , 2020, 225, 151962.	1.9	6
38	Site-Specific Alkylation of the Islet Amyloid Polypeptide Accelerates Self-Assembly and Potentiates Perturbation of Lipid Membranes. <i>Biochemistry</i> , 2021, 60, 2285-2299.	2.5	6
39	In situ solid-state NMR study of antimicrobial peptide interactions with erythrocyte membranes. <i>Biophysical Journal</i> , 2022, 121, 1512-1524.	0.5	6
40	Degradable Spirocyclic Polyacetal-Based Core-Amphiphilic Assemblies for Encapsulation and Release of Hydrophobic Cargo. <i>Nanomaterials</i> , 2021, 11, 161.	4.1	5
41	Self-Assembly of Flagellin into Immunostimulatory Ring-like Nanostructures as an Antigen Delivery System. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 694-707.	5.2	4
42	Identification of a conformational heparin-recognition motif on the peptide hormone secretin: key role for cell surface binding. <i>Biochemical Journal</i> , 2017, 474, 2249-2260.	3.7	3
43	Comparative study of the structure and interaction of the pore helices of the hERG and Kv1.5 potassium channels in model membranes. <i>European Biophysics Journal</i> , 2017, 46, 549-559.	2.2	2
44	Synthesis of Analogs of Trans-Fagaramide and Their Cytotoxic Activity. <i>Pharmaceutical Chemistry Journal</i> , 2018, 51, 995-1004.	0.8	1
45	Immunogenicity and Protective Potential of Mucosal Vaccine Formulations Based on Conserved Epitopes of Influenza A Viruses Fused to an Innovative Ring Nanoplatfom in Mice and Chickens. <i>Frontiers in Immunology</i> , 2021, 12, 772550.	4.8	1