

Jean-Marc Strub

List of Publications by Year in descending order

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72
papers

4,682
citations

81900

39
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98798

67
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73
all docs

73
docs citations

73
times ranked

6792
citing authors

#	ARTICLE	IF	CITATIONS
1	The Substrate of Greatwall Kinase, Arpp19, Controls Mitosis by Inhibiting Protein Phosphatase 2A. <i>Science</i> , 2010, 330, 1673-1677.	12.6	377
2	A comparison between Sypro Ruby and ruthenium II tris (bathophenanthroline disulfonate) as fluorescent stains for protein detection in gels. <i>Proteomics</i> , 2001, 1, 699-704.	2.2	305
3	Tubulin Polyglutamylase Enzymes Are Members of the TTL Domain Protein Family. <i>Science</i> , 2005, 308, 1758-1762.	12.6	289
4	Purification and Characterization of the Human β -Secretase Complex. <i>Biochemistry</i> , 2004, 43, 9774-9789.	2.5	225
5	Mammalian Scribble Forms a Tight Complex with the β -PIX Exchange Factor. <i>Current Biology</i> , 2004, 14, 987-995.	3.9	195
6	Calix[4]arene-Based, Hg ²⁺ -Induced Intramolecular Fluorescence Resonance Energy Transfer Chemosensor. <i>Journal of Organic Chemistry</i> , 2007, 72, 7634-7640.	3.2	191
7	Recombinant expression and range of activity of penaeidins, antimicrobial peptides from penaeid shrimp. <i>FEBS Journal</i> , 1999, 266, 335-346.	0.2	154
8	Evolutionary Divergence of Enzymatic Mechanisms for Posttranslational Polyglycylation. <i>Cell</i> , 2009, 137, 1076-1087.	28.9	137
9	Proteome-wide characterization of sugarbeet seed vigor and its tissue specific expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 10262-10267.	7.1	122
10	Antibacterial Activity of Glycosylated and Phosphorylated Chromogranin A-derived Peptide 173-194 from Bovine Adrenal Medullary Chromaffin Granules. <i>Journal of Biological Chemistry</i> , 1996, 271, 28533-28540.	3.4	110
11	Processing of Chromogranin B in Bovine Adrenal Medulla. Identification of Secretolytin, the Endogenous C-Terminal Fragment of Residues 614-626 with Antibacterial Activity. <i>FEBS Journal</i> , 1995, 229, 356-368.	0.2	106
12	The GPI Transamidase Complex of <i>Saccharomyces cerevisiae</i> Contains Gaa1p, Gpi8p, and Gpi16p. <i>Molecular Biology of the Cell</i> , 2001, 12, 3295-3306.	2.1	102
13	Glycosylation of human recombinant gonadotrophins: characterization and batch-to-batch consistency. <i>Glycobiology</i> , 2003, 13, 179-189.	2.5	97
14	Selenomethionine and Selenocysteine Double Labeling Strategy for Crystallographic Phasing. <i>Structure</i> , 2003, 11, 1359-1367.	3.3	94
15	Rack-1, GAPDH3, and actin: proteins of <i>Myzus persicae</i> potentially involved in the transcytosis of beet western yellows virus particles in the aphid. <i>Virology</i> , 2004, 325, 399-412.	2.4	90
16	Polyglutamylatation Is a Post-translational Modification with a Broad Range of Substrates. <i>Journal of Biological Chemistry</i> , 2008, 283, 3915-3922.	3.4	89
17	Proteomics reveals potential biomarkers of seed vigor in sugarbeet. <i>Proteomics</i> , 2011, 11, 1569-1580.	2.2	89
18	Progress in the definition of a reference human mitochondrial proteome. <i>Proteomics</i> , 2003, 3, 157-167.	2.2	86

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19	A Simple Approach to Cancer Therapy Afforded by Multivalent Pseudopeptides That Target Cell-Surface Nucleoproteins. <i>Cancer Research</i> , 2011, 71, 3296-3305.	0.9	84
20	TG1050, an immunotherapeutic to treat chronic hepatitis B, induces robust T cells and exerts an antiviral effect in HBV-persistent mice. <i>Gut</i> , 2015, 64, 1961-1971.	12.1	83
21	Antibacterial peptides are present in chromaffin cell secretory granules. <i>Cellular and Molecular Neurobiology</i> , 1998, 18, 249-266.	3.3	81
22	Adult somatic progenitor cells and hematopoiesis in oyster. <i>Journal of Experimental Biology</i> , 2014, 217, 3067-77.	1.7	74
23	Selective Irreversible Chemical Tagging of Cysteine with 3-Arylpropionitriles. <i>Bioconjugate Chemistry</i> , 2014, 25, 202-206.	3.6	71
24	The C-terminal Bisphosphorylated proenkephalin-A-(209-237)-peptide from Adrenal Medullary Chromaffin Granules Possesses Antibacterial Activity. <i>FEBS Journal</i> , 1996, 235, 516-525.	0.2	70
25	A fullerene core to probe dendritic shielding effects. <i>Tetrahedron</i> , 2003, 59, 3833-3844.	1.9	59
26	Molecular Responses of Mouse Macrophages to Copper and Copper Oxide Nanoparticles Inferred from Proteomic Analyses. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 3108-3122.	3.8	59
27	The Spliceosomal Phosphopeptide P140 Controls the Lupus Disease by Interacting with the HSC70 Protein and via a Mechanism Mediated by $\text{I}\beta\text{T}$ T Cells. <i>PLoS ONE</i> , 2009, 4, e5273.	2.5	58
28	Comparative Proteomic Analysis of the Molecular Responses of Mouse Macrophages to Titanium Dioxide and Copper Oxide Nanoparticles Unravels Some Toxic Mechanisms for Copper Oxide Nanoparticles in Macrophages. <i>PLoS ONE</i> , 2015, 10, e0124496.	2.5	58
29	Greatwall dephosphorylation and inactivation upon mitotic exit is triggered by PP1. <i>Journal of Cell Science</i> , 2016, 129, 1329-39.	2.0	56
30	Phosphorylation and O-Glycosylation Sites of Bovine Chromogranin A from Adrenal Medullary Chromaffin Granules and Their Relationship with Biological Activities. <i>Journal of Biological Chemistry</i> , 1997, 272, 11928-11936.	3.4	53
31	Comparative Proteomics as a New Tool for Exploring Human Mitochondrial tRNA Disorders. <i>Biochemistry</i> , 2002, 41, 144-150.	2.5	52
32	Heminecrolysin, the first hemolytic dermonecrotic toxin purified from scorpion venom. <i>Toxicon</i> , 2011, 58, 130-139.	1.6	52
33	Characterization of natural vasostatin-containing peptides in rat heart. <i>FEBS Journal</i> , 2006, 273, 3311-3321.	4.7	50
34	Photoinduced electron transfer in a clicked fullerene-porphyrin conjugate. <i>Journal of Materials Chemistry</i> , 2011, 21, 1562-1573.	6.7	49
35	Analysis of cellular responses of macrophages to zinc ions and zinc oxide nanoparticles: a combined targeted and proteomic approach. <i>Nanoscale</i> , 2014, 6, 6102-6114.	5.6	49
36	Sweet silver: A formaldehyde-free silver staining using aldoses as developing agents, with enhanced compatibility with mass spectrometry. <i>Proteomics</i> , 2008, 8, 4853-4861.	2.2	46

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37	Armadillidin: a novel glycine-rich antibacterial peptide directed against gram-positive bacteria in the woodlouse <i>Armadillidium vulgare</i> (Terrestrial Isopod, Crustacean). <i>Developmental and Comparative Immunology</i> , 2005, 29, 489-499.	2.3	45
38	High Expression of Antioxidant Proteins in Dendritic Cells. <i>Molecular and Cellular Proteomics</i> , 2006, 5, 726-736.	3.8	44
39	Phosphorylation and O-Glycosylation Sites of Human Chromogranin A (CGA79â€“439) from Urine of Patients with Carcinoid Tumors. <i>Journal of Biological Chemistry</i> , 1998, 273, 34087-34097.	3.4	42
40	A combined proteomic and targeted analysis unravels new toxic mechanisms for zinc oxide nanoparticles in macrophages. <i>Journal of Proteomics</i> , 2016, 134, 174-185.	2.4	41
41	Molecular responses of alveolar epithelial A549 cells to chronic exposure to titanium dioxide nanoparticles: A proteomic view. <i>Journal of Proteomics</i> , 2016, 134, 163-173.	2.4	37
42	Antibacterial activity of secretolytin, a chromogranin B-derived peptide (614-626), is correlated with peptide structure. <i>FEBS Letters</i> , 1996, 379, 273-278.	2.8	34
43	Identification of Morphine-6-glucuronide in Chromaffin Cell Secretory Granules. <i>Journal of Biological Chemistry</i> , 2006, 281, 8082-8089.	3.4	32
44	Processing of Proenkephalin-A in Bovine Chromaffin Cells. <i>Journal of Biological Chemistry</i> , 2000, 275, 38355-38362.	3.4	30
45	Biochemical Characterization of the Helper Component of Cauliflower Mosaic Virus. <i>Journal of Virology</i> , 2001, 75, 8538-8546.	3.4	29
46	Transcriptome of <i>Dickeya dadantii</i> Infecting <i>Acyrtosiphon pisum</i> Reveals a Strong Defense against Antimicrobial Peptides. <i>PLoS ONE</i> , 2013, 8, e54118.	2.5	26
47	Structural studies of protein arginine methyltransferase 2 reveal its interactions with potential substrates and inhibitors. <i>FEBS Journal</i> , 2017, 284, 77-96.	4.7	25
48	Characterization of carbonic anhydrases from <i>Riftia pachyptila</i> , a symbiotic invertebrate from deep-sea hydrothermal vents. <i>Proteins: Structure, Function and Bioinformatics</i> , 2003, 51, 327-339.	2.6	24
49	Synthesis and biological evaluation of 2.4 nm thiolate-protected gold nanoparticles conjugated to Cetuximab for targeting glioblastoma cancer cells via the EGFR. <i>Nanotechnology</i> , 2019, 30, 184005.	2.6	24
50	Gene induction during differentiation of human monocytes into dendritic cells: an integrated study at the RNA and protein levels. <i>Functional and Integrative Genomics</i> , 2001, 1, 323-329.	3.5	22
51	Proteomic Approach for Characterization of Immunodominant Membrane-Associated 30- to 36-Kilodalton Fraction Antigens of <i>Leishmania infantum</i> Promastigotes, Reacting with Sera from Mediterranean Visceral Leishmaniasis Patients. <i>Vaccine Journal</i> , 2005, 12, 310-320.	3.1	21
52	Phospholipidâ€“Detergent Conjugates as Novel Tools for siRNA Delivery. <i>Chemistry - A European Journal</i> , 2013, 19, 2344-2355.	3.3	21
53	Overexpression and Structural Study of the Cathelicidin Motif of the Protegrin-3 Precursorâ€“. <i>Biochemistry</i> , 2002, 41, 21-30.	2.5	19
54	D-Cateslytin: a new antifungal agent for the treatment of oral <i>Candida albicans</i> associated infections. <i>Scientific Reports</i> , 2018, 8, 9235.	3.3	19

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55	Identification of the Glycosylation Site of the Adenovirus Type 5 Fiber Protein. <i>Biochemistry</i> , 2005, 44, 5453-5460.	2.5	18
56	Characterization and location of post-translational modifications on chromogranin B from bovine adrenal medullary chromaffin granules. <i>Proteomics</i> , 2004, 4, 1789-1801.	2.2	17
57	Step by Step Assembly of Polynuclear Lanthanide Complexes with a Phosphonated Bipyridine Ligand. <i>Inorganic Chemistry</i> , 2016, 55, 12962-12974.	4.0	15
58	Probing Supramolecular Interactions between a Crown Ether Appended Zinc Phthalocyanine and an Ammonium Group Appended to a C ₆₀ Derivative. <i>Chemistry - A European Journal</i> , 2016, 22, 2051-2059.	3.3	13
59	Ultra-Fast Dendritic Growth Based on the Grafting of Fullerene Hexa-Adduct Macromonomers onto a Fullerene Core. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 2882-2887.	2.4	13
60	Processing of Chromogranin B in Bovine Adrenal Medulla. Identification of Secretolytin, the Endogenous C-Terminal Fragment of Residues 614-626 with Antibacterial Activity. <i>FEBS Journal</i> , 1995, 229, 356-368.	0.2	12
61	Cost-Effective and Uniform ¹³ C- and ¹⁵ N-Labeling of the 24-kDa N-Terminal Domain of the Escherichia coli Gyrase B by Overexpression in the Photoautotrophic Cyanobacterium <i>Anabaena</i> sp. PCC 7120. <i>Protein Expression and Purification</i> , 2001, 23, 207-217.	1.3	11
62	The glycosylated androgenic hormone of the terrestrial isopod <i>Porcellio scaber</i> (Crustacea). <i>General and Comparative Endocrinology</i> , 2004, 136, 389-397.	1.8	11
63	Protein profiling of hemocytes from the terrestrial crustacean <i>Armadillidium vulgare</i> . <i>Developmental and Comparative Immunology</i> , 2008, 32, 875-882.	2.3	11
64	Mass Spectrometry-Based Sequencing and SRM-Based Quantitation of Two Novel Vitellogenin Isoforms in the Leatherback Sea Turtle (<i>Dermochelys coriacea</i>). <i>Journal of Proteome Research</i> , 2013, 12, 4122-4135.	3.7	11
65	Antibacterial and Antifungal Peptides Derived from Chromogranins and Proenkephalin-A. <i>Journal of Peptide Research</i> , 2000, 482, 299-315.		10
66	Cytosolic Diffusion and Peptide-Assisted Nuclear Shuttling of Peptide-Substituted Circa 102 Gold Atom Nanoclusters in Living Cells. <i>ACS Applied Nano Materials</i> , 2018, 1, 4236-4246.	5.0	10
67	An Optimized MALDI Mass Spectrometry Method for Improved Detection of Lysine/Arginine/Histidine Free Peptides. <i>Journal of Proteome Research</i> , 2008, 7, 5062-5069.	3.7	9
68	Expression, purification, crystallization and preliminary X-ray analysis of the cathelicidin motif of the protegrin-3 precursor. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2001, 57, 1677-1679.	2.5	8
69	A photoactive nona-porphyrin with nucleosidic linkers. <i>New Journal of Chemistry</i> , 2005, 29, 1504.	2.8	7
70	Activation of Neutrophils by the Two-Component Leukotoxin LukE/D from <i>Staphylococcus aureus</i> : Proteomic Analysis of the Secretions. <i>Journal of Proteome Research</i> , 2013, 12, 3667-3678.	3.7	6
71	Strongly Adhesive and Antimicrobial Peptide-Loaded, Alginate-Catechol-Based Gels for Application against Periimplantitis. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10050.	2.5	2
72	A Direct One-Pot Synthesis of Asymmetric Dehydrobenzopyrido[12]annulenes and Their Physicochemical Properties. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 4625-4632.	2.4	1