

# Piotr Suder

## List of Publications by Year in descending order

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67  
papers

1,882  
citations

331670

21  
h-index

265206

42  
g-index

72  
all docs

72  
docs citations

72  
times ranked

3142  
citing authors

#	ARTICLE	IF	CITATIONS
1	Degradation of Human Antimicrobial Peptide LL-37 by <i>Staphylococcus aureus</i> -Derived Proteinases. <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 4673-4679.	3.2	454
2	Methods for samples preparation in proteomic research. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 849, 1-31.	2.3	194
3	Purification and characterization of eight peptides from <i>Galleria mellonella</i> immune hemolymph. <i>Peptides</i> , 2007, 28, 533-546.	2.4	166
4	Imaging mass spectrometry: Instrumentation, applications, and combination with other visualization techniques. <i>Mass Spectrometry Reviews</i> , 2016, 35, 147-169.	5.4	146
5	A practical guide to nano-LC troubleshooting. <i>Journal of Separation Science</i> , 2007, 30, 2179-2189.	2.5	54
6	Antibacterial hemoglobin peptides in human menstrual blood. <i>Peptides</i> , 2004, 25, 1839-1847.	2.4	53
7	Proteomics in neurosciences. <i>Mass Spectrometry Reviews</i> , 2007, 26, 432-450.	5.4	50
8	Rat brain proteome in morphine dependence. <i>Neurochemistry International</i> , 2006, 49, 401-406.	3.8	43
9	Studies on localization and protein ligands of <i>Galleria mellonella</i> apolipoprotein III during immune response against different pathogens. <i>Journal of Insect Physiology</i> , 2018, 105, 18-27.	2.0	38
10	Antibacterial properties of 5-substituted derivatives of rhodanine-3-carboxyalkyl acids. <i>Medicinal Chemistry Research</i> , 2017, 26, 1316-1324.	2.4	37
11	Lipid droplets in mammalian eggs are utilized during embryonic diapause. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	37
12	Proteomic analysis of striatal neuronal cell cultures after morphine administration. <i>Journal of Separation Science</i> , 2009, 32, 1200-1210.	2.5	31
13	Desorption electrospray ionisation (DESI) for beginners – how to adjust settings for tissue imaging. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 1-9.	1.5	31
14	The Proteomic Analysis of Primary Cortical Astrocyte Cell Culture after Morphine Administration. <i>Journal of Proteome Research</i> , 2009, 8, 4633-4640.	3.7	28
15	Thermosensitive PNIPAM-peptide conjugate – Synthesis and aggregation. <i>European Polymer Journal</i> , 2013, 49, 499-509.	5.4	28
16	Glycosylation Changes in Serum Proteins Identify Patients with Pancreatic Cancer. <i>Journal of Proteome Research</i> , 2017, 16, 1436-1444.	3.7	27
17	Orphanin FQ/nociceptin inhibits morphine withdrawal. <i>Life Sciences</i> , 2000, 66, PL119-PL123.	4.3	25
18	Acid-labile surfactant assists in-solution digestion of proteins resistant to enzymatic attack. <i>Rapid Communications in Mass Spectrometry</i> , 2004, 18, 822-824.	1.5	25

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19	Proteome analysis of mouse primary astrocytes. <i>Neurochemistry International</i> , 2005, 47, 159-172.	3.8	25
20	ADX-47273, a mGlu5 receptor positive allosteric modulator, attenuates deficits in cognitive flexibility induced by withdrawal from "binge-like" ethanol exposure in rats. <i>Behavioural Brain Research</i> , 2018, 338, 9-16.	2.2	25
21	MASS SPECTROMETRY IN VIROLOGICAL SCIENCES. <i>Mass Spectrometry Reviews</i> , 2020, 39, 499-522.	5.4	22
22	Bioactive mesoglobules of poly(di(ethylene glycol) monomethyl ether methacrylate)-peptide conjugate. <i>Journal of Polymer Science Part A</i> , 2012, 50, 3104-3115.	2.3	21
23	An enhanced method for peptides sequencing by N-terminal derivatization and MS. <i>Proteomics</i> , 2005, 5, 4367-4375.	2.2	19
24	Brain lipidomic changes after morphine, cocaine and amphetamine administration " DESI " MS imaging study. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2017, 1862, 686-691.	2.4	19
25	Effects of the Positive Allosteric Modulator of Metabotropic Glutamate Receptor 5, VU-29, on Impairment of Novel Object Recognition Induced by Acute Ethanol and Ethanol Withdrawal in Rats. <i>Neurotoxicity Research</i> , 2018, 33, 607-620.	2.7	18
26	Morphinome " A meta-analysis applied to proteomics studies in morphine dependence. <i>Proteomics</i> , 2011, 11, 5-21.	2.2	16
27	DESI-MS as a tool for direct lipid analysis in cultured cells. <i>Cytotechnology</i> , 2015, 67, 1085-1091.	1.6	15
28	Electrochemical generation of selegiline metabolites coupled to mass spectrometry. <i>Journal of Chromatography A</i> , 2015, 1389, 96-103.	3.7	13
29	Isolation, Identification, and Bioinformatic Analysis of Antibacterial Proteins and Peptides from Immunized Hemolymph of Red Palm Weevil <i>Rhynchophorus ferrugineus</i> . <i>Biomolecules</i> , 2021, 11, 83.	4.0	12
30	Constant activity of glutamine synthetase after morphine administration versus proteomic results. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 2939-2942.	3.7	11
31	Synthesis and characterisation of PEG-peptide surfaces for proteolytic enzyme detection. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 9049-9059.	3.7	10
32	Proteomic Data in Morphine Addiction Versus Real Protein Activity: Metabolic Enzymes. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 4323-4330.	2.6	10
33	Rat neuronal cells in primary culture as a model for nociceptin/orphanin FQ metabolism. <i>Neuroscience Letters</i> , 2003, 348, 167-170.	2.1	9
34	A comparative study of glycoproteomes in androgen-sensitive and -independent prostate cancer cell lines. <i>Molecular and Cellular Biochemistry</i> , 2014, 386, 189-198.	3.1	9
35	DESI analysis of mammalian cell cultures " sample preparation and method optimisation. <i>Journal of Mass Spectrometry</i> , 2014, 49, 613-621.	1.6	9
36	Desorption electrospray ionization-based imaging of interaction between vascular graft and human body. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2016, 104, 192-196.	3.4	9

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37	Rapamycin Improves Spatial Learning Deficits, Vulnerability to Alcohol Addiction and Altered Expression of the GluN2B Subunit of the NMDA Receptor in Adult Rats Exposed to Ethanol during the Neonatal Period. <i>Biomolecules</i> , 2021, 11, 650.	4.0	9
38	Analysis of Free Hemoglobin Level and Hemoglobin Peptides from Human Puerperal Uterine Secretions. <i>Journal of the Society for Gynecologic Investigation</i> , 2006, 13, 285-291.	1.7	8
39	Electrochemical Simulation of Cocaine Metabolism—A Step toward Predictive Toxicology for Drugs of Abuse. <i>European Journal of Mass Spectrometry</i> , 2014, 20, 279-285.	1.0	8
40	One Step Beyond: Design of Substrates Spanning Primed Positions of Zika Virus NS2B-NS3 Protease. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 1025-1029.	2.8	8
41	Mouse single oocyte imaging by MALDI-TOF MS for lipidomics. <i>Cytotechnology</i> , 2020, 72, 455-468.	1.6	8
42	A comparison of the production of antimicrobial peptides and proteins by <i>Galleria mellonella</i> larvae in response to infection with two <i>Pseudomonas aeruginosa</i> strains differing in the profile of secreted proteases. <i>Journal of Insect Physiology</i> , 2021, 131, 104239.	2.0	8
43	Fungal $\beta$ -1,3-Glucan as a New Pathogen-Associated Molecular Pattern in the Insect Model Host <i>Galleria mellonella</i> . <i>Molecules</i> , 2021, 26, 5097.	3.8	8
44	Synthesis, conformational analysis and immunological activity of $\beta$ -Phe <sup>3</sup> -substituted Cyclolinopeptide A analogues. <i>Journal of Peptide Science</i> , 2009, 15, 166-174.	1.4	7
45	The Study of Derivatization Prior MALDI MSI Analysis—Charge Tagging Based on the Cholesterol and Betaine Aldehyde. <i>Molecules</i> , 2021, 26, 2737.	3.8	7
46	Crypteins derived from the mouse neuropeptide FF (NPFF)A precursor display NPFF-like effects in nociceptive tests in mice. <i>Peptides</i> , 2012, 36, 17-22.	2.4	6
47	Electrospray mass spectrometric studies of noncovalent complexes of buspirone hydrochloride and other serotonin 5-HT1A receptor ligands containing arylpiperazine moieties. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 2139-2146.	1.5	5
48	Attenuated Kinin Release from Human Neutrophil Elastase-Pretreated Kininogens by Tissue and Plasma Kallikreins. <i>Biological Chemistry</i> , 2003, 384, 929-37.	2.5	5
49	Identification of bikunin as an endogenous inhibitor of dynorphin convertase in human cerebrospinal fluid. <i>FEBS Journal</i> , 2006, 273, 5113-5120.	4.7	5
50	Differential binding of tropomyosin isoforms to actin modified with m-maleimidobenzoyl-N-hydroxysuccinimide ester and fluorescein-5-isothiocyanate. <i>Analytical Biochemistry</i> , 2009, 394, 48-55.	2.4	5
51	Morphinome Database — The database of proteins altered by morphine administration — An update. <i>Journal of Proteomics</i> , 2019, 190, 21-26.	2.4	5
52	Antibacterial properties of 5-substituted derivatives of rhodanine-3-carboxyalkyl acids. Part II. <i>Saudi Pharmaceutical Journal</i> , 2020, 28, 414-426.	2.7	5
53	C-Terminal glycine is crucial for hyperalgesic activity of nociceptin/orphanin FQ-(1–6). <i>European Journal of Pharmacology</i> , 2001, 419, 33-37.	3.5	4
54	Cryptic peptide derived from the rat neuropeptide FF precursor affects G-proteins linked to opioid receptors in the rat brain. <i>Peptides</i> , 2008, 29, 1988-1993.	2.4	4

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55	Synthesis, Crystal Structures, Lipophilic Properties and Antimicrobial Activity of 5-Pyridylmethylidene-3-rhodanine-carboxyalkyl Acids Derivatives. <i>Molecules</i> , 2022, 27, 3975.	3.8	4
56	Comparison of Two Freely Available Software Packages for Mass Spectrometry Imaging Data Analysis Using Brains from Morphine Addicted Rats. <i>European Journal of Mass Spectrometry</i> , 2016, 22, 229-233.	1.0	3
57	Dynorphin A Inhibits Nociceptin-Converting Enzyme from the Rat Spinal Cord. <i>Biochemical and Biophysical Research Communications</i> , 2001, 287, 927-931.	2.1	2
58	Myeloperoxidase-catalyzed oxidative inactivation of human kininogens: the impairment of kinin-precursor and prekallikrein-binding functions. <i>Biological Chemistry</i> , 2011, 392, 263-74.	2.5	2
59	iTRAQ Analysis with Paul Ion Trap – Obstacle Solved. <i>Journal of Proteome Research</i> , 2013, 12, 4607-4611.	3.7	2
60	Integrated workflow for quantitative phosphoproteomic analysis of the selected brain structures in development of morphine dependence. <i>Pharmacological Reports</i> , 2014, 66, 1003-1010.	3.3	2
61	MYTHBUSTERS: A Universal Procedure for Sample Preparation for Mass Spectrometry. <i>European Journal of Mass Spectrometry</i> , 2016, 22, 269-273.	1.0	2
62	Impacts of the Type I Toxin – Antitoxin System, SprG1/SprF1, on <i>Staphylococcus aureus</i> Gene Expression. <i>Genes</i> , 2021, 12, 770.	2.4	2
63	Evaluation of the Possibility of Mucin Adsorption onto Implantation Materials. <i>Solid State Phenomena</i> , 2013, 199, 550-555.	0.3	1
64	Fundamental Strategies of Protein and Peptide Sample Preparation. , 2013, , 25-77.		1
65	Mass Spectrometry versus Conventional Techniques of Protein Detection: Zika Virus NS3 Protease Activity towards Cellular Proteins. <i>Molecules</i> , 2021, 26, 3732.	3.8	1
66	From Proteomic Studies to Molecular Pathways - Proteins Involved in Response to Methamphetamine Administration. <i>Current Proteomics</i> , 2017, 14, .	0.3	1
67	Application of the NanoLC-MS/MS Technique for Protein Analysis of Biofilm on Surface of Mandibular Fixation with X-Ray Detection of Metallic Ions Relocation to the Osseous Tissue. <i>Solid State Phenomena</i> , 2013, 199, 531-537.	0.3	0