

Aleksandra Misicka

List of Publications by Year in descending order

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papers

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361045

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87
docs citations

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times ranked

1562
citing authors

#	ARTICLE	IF	CITATIONS
1	An excursion into secondary pharmacology of fentanyls with potential implications for drug design: μ 1 receptor. , 2022, , 89-100.		0
2	The solid state VCD of a novel N-acylhydrazone trifluoroacetate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 269, 120761.	2.0	9
3	Novel NK1R-Targeted $^{68}\text{Ga}/^{177}\text{Lu}$ -Radioconjugates with Potential Application against Glioblastoma Multiforme: Preliminary Exploration of Structure-Activity Relationships. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1214.	1.8	11
4	Bifunctional Opioid/Melanocortin Peptidomimetics for Use in Neuropathic Pain: Variation in the Type and Length of the Linker Connecting the Two Pharmacophores. <i>International Journal of Molecular Sciences</i> , 2022, 23, 674.	1.8	5
5	Synthesis, Physicochemical and Biological Study of Gallium-68- and Lutetium-177-Labeled VEGF-A165/NRP-1 Complex Inhibitors Based on Peptide A7R and Branched Peptidomimetic. <i>Pharmaceutics</i> , 2022, 14, 100.	2.0	8
6	HPLC-PDA-ESI-HRMS-Based Profiling of Secondary Metabolites of <i>Rindera graeca</i> Anatomical and Hairy Roots Treated with Drought and Cold Stress. <i>Cells</i> , 2022, 11, 931.	1.8	7
7	In Vitro Biological Evaluation of Aprepitant Based ^{177}Lu -Radioconjugates. <i>Pharmaceutics</i> , 2022, 14, 607.	2.0	4
8	<i>Polyscias filicifolia</i> (Araliaceae) Hairy Roots with Antigenotoxic and Anti-Photogenotoxic Activity. <i>Molecules</i> , 2022, 27, 186.	1.7	3
9	The role of drugs and selected dietary factors in cutaneous squamous cell carcinogenesis. <i>Postepy Dermatologii i Alergologii</i> , 2021, 38, 198-204.	0.4	2
10	The Role of VEGF Receptors as Molecular Target in Nuclear Medicine for Cancer Diagnosis and Combination Therapy. <i>Cancers</i> , 2021, 13, 1072.	1.7	25
11	Multifunctional Enkephalin Analogs with a New Biological Profile: MOR/DOR Agonism and KOR Antagonism. <i>Biomedicines</i> , 2021, 9, 625.	1.4	5
12	Enantioseparation of α -amino acids by liquid chromatography using core-shell chiral stationary phases based on teicoplanin and teicoplanin aglycone. <i>Journal of Chromatography A</i> , 2021, 1653, 462383.	1.8	7
13	A Phage Display-Identified Short Peptide Capable of Hydrolyzing Calcium Pyrophosphate Crystals- The Etiological Factor of Chondrocalcinosis. <i>Molecules</i> , 2021, 26, 5777.	1.7	0
14	Novel bifunctional hybrid compounds designed to enhance the effects of opioids and antagonize the pronociceptive effects of nonopioid peptides as potent analgesics in a rat model of neuropathic pain. <i>Pain</i> , 2021, 162, 432-445.	2.0	9
15	Urea-Peptide Hybrids as VEGF-A165/NRP-1 Complex Inhibitors with Improved Receptor Affinity and Biological Properties. <i>International Journal of Molecular Sciences</i> , 2021, 22, 72.	1.8	8
16	Biphalin- A Potent Opioid Agonist- As a Panacea for Opioid System-Dependent Pathophysiological Diseases?. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11347.	1.8	3
17	Antiproliferative effects of [D-Pro2, D-Trp7,9]-Substance P and aprepitant on several cancer cell lines and their selectivity in comparison to normal cells. <i>Folia Neuropathologica</i> , 2020, 58, 237-244.	0.5	4
18	Small Cyclic Peptide for Pyrophosphate Dependent Ligation in Prebiotic Environments. <i>Life</i> , 2020, 10, 103.	1.1	4

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19	Huperzine A and Huperzine B Production by Prothallus Cultures of Huperzia selago (L.) Bernh. ex Schrank et Mart. <i>Molecules</i> , 2020, 25, 3262.	1.7	8
20	Novel hybrid compounds, opioid agonist+melanocortin 4 receptor antagonist, as efficient analgesics in mouse chronic constriction injury model of neuropathic pain. <i>Neuropharmacology</i> , 2020, 178, 108232.	2.0	14
21	Radiochemical Synthesis and Evaluation of Novel Radioconjugates of Neurokinin 1 Receptor Antagonist Aprepitant Dedicated for NK1R-Positive Tumors. <i>Molecules</i> , 2020, 25, 3756.	1.7	17
22	Antinociceptive and Cytotoxic Activity of Opioid Peptides with Hydrazone and Hydrazide Moieties at the C-Terminus. <i>Molecules</i> , 2020, 25, 3429.	1.7	12
23	In Vivo, In Vitro and In Silico Studies of the Hybrid Compound AA3266, an Opioid Agonist/NK1R Antagonist with Selective Cytotoxicity. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7738.	1.8	7
24	δ^2 -Homo-Amino Acid Scan of μ -Selective Opioid Tetrapeptide TAPP. <i>Molecules</i> , 2020, 25, 2461.	1.7	6
25	Does Cysteine Rule (CysR) Complete the CendR Principle? Increase in Affinity of Peptide Ligands for NRP-1 Through the Presence of N-Terminal Cysteine. <i>Biomolecules</i> , 2020, 10, 448.	1.8	7
26	SERS and DFT Study of Noble-Metal-Anchored Cys-Trp/Trp-Cys Dipeptides: Influence of Main-Chain Direction and Terminal Modifications. <i>Journal of Physical Chemistry C</i> , 2020, 124, 7097-7116.	1.5	16
27	Solution Phase Peptide Synthesis: The Case of Biphalin. <i>Methods in Molecular Biology</i> , 2020, 2103, 1-11.	0.4	6
28	Enkephalin degradation in serum of patients with inflammatory bowel diseases. <i>Pharmacological Reports</i> , 2019, 71, 42-47.	1.5	5
29	Urea moiety as amide bond mimetic in peptide-like inhibitors of VEGF-A165/NRP-1 complex. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 2493-2497.	1.0	7
30	Neuropilin-1 peptide-like ligands with proline mimetics, tested using the improved chemiluminescence affinity detection method. <i>MedChemComm</i> , 2019, 10, 332-340.	3.5	12
31	Triazolepeptides Inhibiting the Interaction between Neuropilin-1 and Vascular Endothelial Growth Factor-165. <i>Molecules</i> , 2019, 24, 1756.	1.7	13
32	Affinity of fentanyl and its derivatives for the μ 1-receptor. <i>MedChemComm</i> , 2019, 10, 1187-1191.	3.5	10
33	Fentanyl Family at the μ -Opioid Receptor: Uniform Assessment of Binding and Computational Analysis. <i>Molecules</i> , 2019, 24, 740.	1.7	39
34	High activity of endogenous opioid system protects against gastric damage development in mouse models of gastric mucosal injury. <i>Pharmacological Reports</i> , 2019, 71, 218-224.	1.5	8
35	Branched pentapeptides as potent inhibitors of the vascular endothelial growth factor 165 binding to Neuropilin-1: Design, synthesis and biological activity. <i>European Journal of Medicinal Chemistry</i> , 2018, 158, 453-462.	2.6	23
36	Ischemia/Reperfusion-Induced Translocation of PKC δ II to Mitochondria as an Important Mediator of a Protective Signaling Mechanism in an Ischemia-Resistant Region of the Hippocampus. <i>Neurochemical Research</i> , 2017, 42, 2392-2403.	1.6	9

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37	Physicochemical properties and in vitro cytotoxicity of iron oxide-based nanoparticles modified with antiangiogenic and antitumor peptide A7R. <i>Journal of Nanoparticle Research</i> , 2017, 19, 160.	0.8	11
38	Conformational latitude â€“ activity relationship of KPPR tetrapeptide analogues toward their ability to inhibit binding of vascular endothelial growth factor 165 to neuropilinâ€“. <i>Journal of Peptide Science</i> , 2017, 23, 445-454.	0.8	15
39	Structure-activity relationship study of tetrapeptide inhibitors of the Vascular Endothelial Growth Factor A binding to Neuropilin-1. <i>Peptides</i> , 2017, 94, 25-32.	1.2	18
40	The role of allogenic keratinâ€“derived dressing in wound healing in a mouse model. <i>Wound Repair and Regeneration</i> , 2017, 25, 62-74.	1.5	30
41	Effects of terminal capping on the fibrillation of short (L-Glu) _n peptides. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 159, 861-868.	2.5	3
42	Opioid Tripeptides Hybridized with <i>trans</i> -â€“Cinnamylpiperazine as Proliferation Inhibitors of Pancreatic Cancer Cells in Twoâ€“and Threeâ€“Dimensional inâ€“vitro Models. <i>ChemMedChem</i> , 2017, 12, 1637-1644.	1.6	4
43	Hydrazone Linker as a Useful Tool for Preparing Chimeric Peptide/Nonpeptide Bifunctional Compounds. <i>ACS Medicinal Chemistry Letters</i> , 2017, 8, 73-77.	1.3	25
44	Structure-activity relationship study of a small cyclic peptide H-c[Lys-Pro-Glu]-Arg-OH: a potent inhibitor of Vascular Endothelial Growth Factor interaction with Neuropilin-1. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 597-602.	1.4	14
45	The effect of wool hydrolysates on squamous cell carcinoma cells in vitro. Possible implications for cancer treatment. <i>PLoS ONE</i> , 2017, 12, e0184034.	1.1	5
46	Vasopressin and Related Peptides; Potential Value in Diagnosis, Prognosis and Treatment of Clinical Disorders. <i>Current Drug Metabolism</i> , 2017, 18, 306-345.	0.7	25
47	Certain Aspects of Silver and Silver Nanoparticles in Wound Care: A Minireview. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-10.	1.5	108
48	Design, synthesis and in vitro biological evaluation of a small cyclic peptide as inhibitor of vascular endothelial growth factor binding to neuropilin-1. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 2843-2846.	1.0	21
49	Biphalin preferentially recruits peripheral opioid receptors to facilitate analgesia in a mouse model of cancer pain - A comparison with morphine. <i>European Journal of Pharmaceutical Sciences</i> , 2016, 89, 39-49.	1.9	13
50	The impact of Î²â€“azido(or 1â€“piperidiny)l)methylamino acids in position 2 or 3 on biological activity and conformation of dermorphin analogues. <i>Journal of Peptide Science</i> , 2016, 22, 545-551.	0.8	1
51	Synthesis, binding affinities and metabolic stability of dimeric dermorphin analogs modified with β -amino acids. <i>Journal of Peptide Science</i> , 2016, 22, 222-227.	0.8	7
52	HD2C histone deacetylase and a SWI/SNF chromatin remodelling complex interact and both are involved in mediating the heat stress response in <i>Arabidopsis</i> . <i>Plant, Cell and Environment</i> , 2016, 39, 2108-2122.	2.8	109
53	Beware of Cocktails: Chain-Length Bidispersity Triggers Explosive Self-Assembly of Poly- β -Glutamic Acid Fibrils. <i>Biomacromolecules</i> , 2016, 17, 1376-1382.	2.6	14
54	Biphalin protects against cognitive deficits in a mouse model of mild traumatic brain injury (mTBI). <i>Neuropharmacology</i> , 2016, 101, 506-518.	2.0	14

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55	Comparison of the Separation Performances of Cinchona Alkaloid-Based Zwitterionic Stationary Phases in the Enantioseparation of \hat{I}^2 - and \hat{I}^3 -Amino Acids. <i>Molecules</i> , 2015, 20, 70-87.	1.7	16
56	Synthesis of rigid tryptophan mimetics by the diastereoselective Pictet-Spengler reaction of \hat{I}^2 -tryptophan derivatives with chiral \hat{I}^1 -amino aldehydes. <i>Journal of Peptide Science</i> , 2015, 21, 893-904.	0.8	2
57	Amyloidogenic Properties of Short \hat{I}^{\pm} -Glutamic Acid Oligomers. <i>Langmuir</i> , 2015, 31, 10500-10507.	1.6	21
58	Imaging and identification of endogenous peptides from rat pituitary embedded in egg yolk. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 327-335.	0.7	4
59	Original article In vitro pharmacological evaluation of the radiolabeled C-terminal substance P analogue Lys-Phe-Phe-Gly-Leu-Met-NH ₂ : Does a specific binding site exist?. <i>Folia Neuropathologica</i> , 2014, 4, 383-393.	0.5	0
60	Enantioseparation of \hat{I}^2 -amino acids on cinchona alkaloid-based zwitterionic chiral stationary phases. Structural and temperature effects. <i>Journal of Chromatography A</i> , 2014, 1334, 44-54.	1.8	28
61	Peptides and peptidoaldehydes as substrates for the Pictet-Spengler reaction. <i>Journal of Peptide Science</i> , 2013, 19, 433-440.	0.8	5
62	Influence of reaction conditions on products of the Pictet-Spengler condensation. <i>Tetrahedron</i> , 2011, 67, 1955-1959.	1.0	12
63	New tetracyclic tetrahydro- \hat{I}^2 -carbolines as tryptophan-derived peptidomimetics. <i>Molecular Diversity</i> , 2010, 14, 97-108.	2.1	11
64	High-performance liquid chromatographic enantioseparation of \hat{I}^2 -amino acids using a long-tethered (+)-(18-crown-6)-2,3,11,12-tetracarboxylic acid-based chiral stationary phase. <i>Journal of Chromatography A</i> , 2010, 1217, 1075-1082.	1.8	18
65	High-performance liquid chromatographic chiral separation of \hat{I}^2 -homoamino acids. <i>Chirality</i> , 2009, 21, 787-798.	1.3	15
66	HPLC enantioseparation of \hat{I}^2 -homoamino acids using crown ether-based chiral stationary phase. <i>Journal of Separation Science</i> , 2009, 32, 981-987.	1.3	27
67	Biodegradation of exogenous DNA by bio-products used in domestic sewage treatment. , 2009, , .		0
68	Comparison of performance of Chirobiotic T, T2 and TAG columns in the separation of \hat{I}^2 - and \hat{I}^3 -homoamino acids. <i>Journal of Separation Science</i> , 2008, 31, 3688-3697.	1.3	25
69	Diastereoselective Pictet-Spengler condensation of tryptophan with \hat{I}^1 -amino aldehydes as chiral carbonyl components. <i>Tetrahedron</i> , 2008, 64, 1506-1514.	1.0	23
70	Distance Dependence of the Electron Transfer Rate through Oligoglycine Spacers Introduced into Self-Assembled Monolayers. <i>Journal of Physical Chemistry B</i> , 2004, 108, 8102-8105.	1.2	59
71	Biological properties of a new fluorescent biphalin fragment analogue. <i>Life Sciences</i> , 2002, 70, 893-897.	2.0	10
72	Cross interaction of \hat{I}^2 -amyloid peptide and prion protein fragments. <i>International Journal of Peptide Research and Therapeutics</i> , 2002, 9, 77-81.	0.1	0

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73	Cross interaction of \hat{I}^2 -amyloid peptide and prion protein fragments. <i>International Journal of Peptide Research and Therapeutics</i> , 2002, 9, 77-81.	0.1	0
74	Effect of Interchain Hydrogen Bonding on Electron Transfer through Alkanethiol Monolayers Containing Amide Bonds. <i>Journal of Physical Chemistry B</i> , 2000, 104, 5399-5402.	1.2	61
75	Biological activity of fragments and analogues of the potent dimeric opioid peptide, biphalin. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1999, 9, 2763-2766.	1.0	44
76	Title is missing!. <i>International Journal of Peptide Research and Therapeutics</i> , 1998, 5, 383-385.	0.1	1
77	Title is missing!. <i>International Journal of Peptide Research and Therapeutics</i> , 1998, 5, 375-377.	0.1	0
78	Equilibrium of thecis-trans isomerisation of the peptide bond with N-alkyl amino acids measured by 2D NMR. <i>International Journal of Peptide Research and Therapeutics</i> , 1998, 5, 375-377.	0.1	5
79	Biological consequences of the incorporation of amphiphilic amino acids into opioid peptide sequences. <i>International Journal of Peptide Research and Therapeutics</i> , 1998, 5, 383-385.	0.1	5
80	Modifications of the 4,4- \hat{E}^2 -residues and sar studies of biphalin, a highly potent opioid receptor active peptide. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1998, 8, 555-560.	1.0	28
81	[125I-Tyr1]biphalin binding to opioid receptors of rat brain and NG108-15 cell membranes. <i>Life Sciences</i> , 1998, 62, PL199-PL204.	2.0	14
82	Interaction of a highly potent dimeric enkephalin analog, biphalin, with model membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1997, 1329, 245-258.	1.4	22
83	Structure-activity relationship of biphalin. The synthesis and biological activities of new analogues with modifications in positions 3 and 4. <i>Life Sciences</i> , 1997, 60, 1263-1269.	2.0	37
84	Synthesis and biological properties of \hat{I}^2 -MePhe ³ analogues of deltorphin I and dermenkephalin: influence of biased X ¹ of Phe ³ residues on peptide recognition for \hat{I}^2 -opioid receptors. <i>Chemical Biology and Drug Design</i> , 1997, 50, 48-54.	1.2	15
85	Delta opioid receptor selective ligands; DPLPE \hat{E} -deltorphin chimeric peptide analogues ^{\hat{E}} . <i>International Journal of Peptide and Protein Research</i> , 1994, 44, 80-84.	0.1	8
86	The effect of intracerebroventricular infusion of morphine, methionine-enkephalin and D-Ala2-Met-enkephalinamide on body temperature of rabbits. <i>Archives Internationales De Physiologie Et De Biochimie</i> , 1982, 90, 1-7.	0.2	11