

Meritxell Teixido

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

2,359
citations

257450

24
h-index

214800

47
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69
all docs

69
docs citations

69
times ranked

3645
citing authors

#	ARTICLE	IF	CITATIONS
1	The Inclusion of a Matrix Metalloproteinase-9 Responsive Sequence in Self-assembled Peptide-based Brain-Targeting Nanoparticles Improves the Efficiency of Nanoparticles Crossing the Blood-Brain Barrier at Elevated MMP-9 Levels. <i>Journal of Pharmaceutical Sciences</i> , 2021, 110, 1349-1364.	3.3	2
2	Amphiphilic Polymeric Nanoparticles Modified with a Protease-Resistant Peptide Shuttle for the Delivery of SN-38 in Diffuse Intrinsic Pontine Glioma. <i>ACS Applied Nano Materials</i> , 2021, 4, 1314-1329.	5.0	15
3	Development of Brain Targeting Peptide Based MMP-9 Inhibiting Nanoparticles for the Treatment of Brain Diseases with Elevated MMP-9 Activity. <i>Journal of Pharmaceutical Sciences</i> , 2020, 109, 3134-3144.	3.3	8
4	Amphiphilic Polymeric Nanoparticles Modified with a Retro-Enantio Peptide Shuttle Target the Brain of Mice. <i>Chemistry of Materials</i> , 2020, 32, 7679-7693.	6.7	18
5	Peptide based drug delivery systems to the brain. <i>Nano Express</i> , 2020, 1, 012002.	2.4	22
6	Expanding the MiniApâ€š BBBâ€šshuttle family: Evaluation of proline <i>cis</i>/<i>trans</i> ratio as tool to fineâ€štune transport. <i>Journal of Peptide Science</i> , 2019, 25, e3172.	1.4	5
7	A MALDI-TOF-based Method for Studying the Transport of BBB Shuttlesâ€šEnhancing Sensitivity and Versatility of Cell-Based In Vitro Transport Models. <i>Scientific Reports</i> , 2019, 9, 4875.	3.3	5
8	Efficient Synthesis of Norbuprenorphines Coupled with Enkephalins and Investigation of Their Permeability. <i>Iranian Journal of Pharmaceutical Research</i> , 2019, 18, 1277-1287.	0.5	2
9	PEG-PCGA enveloped octaarginine-peptide nanocomplexes: An oral peptide delivery strategy. <i>Journal of Controlled Release</i> , 2018, 276, 125-139.	9.9	70
10	â€šLa Carteâ€š™ Cyclic Hexapeptides: Fine Tuning Conformational Diversity while Preserving the Peptide Scaffold.. <i>ChemistrySelect</i> , 2018, 3, 2343-2351.	1.5	0
11	Trifluoromethylated proline analogues as efficient tools to enhance the hydrophobicity and to promote passive diffusion transport of the <sc>l</sc>-prolyl-<sc>l</sc>-leucyl glycylglycylamide (PLG) tripeptide. <i>RSC Advances</i> , 2018, 8, 14597-14602.	3.6	25
12	Indoloazepinoneâ€šConstrained Oligomers as Cellâ€šPenetrating and Bloodâ€šBrainâ€šBarrierâ€šPermeating Compounds. <i>ChemBioChem</i> , 2018, 19, 696-705.	2.6	8
13	Immunosilencing peptides by stereochemical inversion and sequence reversal: retro-D-peptides. <i>Scientific Reports</i> , 2018, 8, 6446.	3.3	26
14	Bromotryptophans and their incorporation in cyclic and bicyclic privileged peptides. <i>Biopolymers</i> , 2018, 109, e23112.	2.4	12
15	Fine-tuning the physicochemical properties of peptide-based bloodâ€šbrain barrier shuttles. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 2099-2106.	3.0	15
16	From venoms to BBB-shuttles. MiniCTX3: a molecular vector derived from scorpion venom. <i>Chemical Communications</i> , 2018, 54, 12738-12741.	4.1	18
17	HAI Peptide and Backbone Analogsâ€šValidation and Enhancement of Biostability and Bioactivity of BBB Shuttles. <i>Scientific Reports</i> , 2018, 8, 17932.	3.3	8
18	Branched BBB-shuttle peptides: chemoselective modification of proteins to enhance bloodâ€šbrain barrier transport. <i>Chemical Science</i> , 2018, 9, 8409-8415.	7.4	39

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19	Peptide Mediated Brain Delivery of Nano- and Submicroparticles: A Synergistic Approach. <i>Current Pharmaceutical Design</i> , 2018, 24, 1366-1376.	1.9	23
20	Blocking EGFR Activation with Anti-EGF Nanobodies via Two Distinct Molecular Recognition Mechanisms. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13843-13847.	13.8	18
21	<scpd>Polyarginine Lipopeptides as Intestinal Permeation Enhancers. <i>ChemMedChem</i> , 2018, 13, 2045-2052.	3.2	11
22	Blood-brain barrier peptide shuttles. <i>Current Opinion in Chemical Biology</i> , 2017, 38, 134-140.	6.1	43
23	Bike peptides: a ride through the membrane. <i>Journal of Peptide Science</i> , 2017, 23, 294-302.	1.4	9
24	Jumping Hurdles: Peptides Able To Overcome Biological Barriers. <i>Accounts of Chemical Research</i> , 2017, 50, 1847-1854.	15.6	62
25	Just passing through. <i>Nature Chemistry</i> , 2017, 9, 727-728.	13.6	14
26	Phage display as a tool to discover blood-brain barrier (BBB) shuttle peptides: panning against a human BBB cellular model. <i>Biopolymers</i> , 2017, 108, e22928.	2.4	23
27	Cyclic Dipeptide Shuttles as a Novel Skin Penetration Enhancement Approach: Preliminary Evaluation with Diclofenac. <i>PLoS ONE</i> , 2016, 11, e0160973.	2.5	14
28	MiniA4: A Venom-Inspired Peptidomimetic for Brain Delivery. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 572-575.	13.8	66
29	Bifunctional Peptide-Based Opioid Agonist-Nociceptin Antagonist Ligands for Dual Treatment of Acute and Neuropathic Pain. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 3777-3792.	6.4	36
30	Blood-brain barrier shuttle peptides: an emerging paradigm for brain delivery. <i>Chemical Society Reviews</i> , 2016, 45, 4690-4707.	38.1	318
31	Synthesis and in vitro, ex-vivo and in vivo activity of hybrid compounds linking a potent ROS and RNS scavenger activity with diverse substrates addressed to pass across the blood-brain barrier. <i>European Journal of Medicinal Chemistry</i> , 2016, 123, 788-802.	5.5	8
32	Chemically synthesized peptide libraries as a new source of BBB shuttles. Use of mass spectrometry for peptide identification. <i>Journal of Peptide Science</i> , 2016, 22, 577-591.	1.4	15
33	Combined Use of Oligopeptides, Fragment Libraries, and Natural Compounds: A Comprehensive Approach To Sample the Druggability of Vascular Endothelial Growth Factor. <i>ChemMedChem</i> , 2016, 11, 928-939.	3.2	10
34	Chemical Composition and Inhibitory Effects of <i>Hypericum brasiliense</i> and <i>H. connatum</i> on Prolyl Oligopeptidase and Acetylcholinesterase Activities. <i>Medicinal Chemistry</i> , 2016, 12, 457-463.	1.5	3
35	Lipid Bilayer Crossing-The Gate of Symmetry. Water-Soluble Phenylproline-Based Blood-Brain Barrier Shuttles. <i>Journal of the American Chemical Society</i> , 2015, 137, 7357-7364.	13.7	44
36	Applying the Retro-Enantio Approach To Obtain a Peptide Capable of Overcoming the Blood-Brain Barrier. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 3967-3972.	13.8	96

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37	Sequence-activity relationship, and mechanism of action of mastoparan analogues against extended-drug resistant <i>Acinetobacter baumannii</i> . <i>European Journal of Medicinal Chemistry</i> , 2015, 101, 34-40.	5.5	19
38	la Carte™ Peptide Shuttles: Tools to Increase Their Passage across the Blood-Brain Barrier. <i>ChemMedChem</i> , 2014, 9, 1594-1601.	3.2	21
39	Differential Neuroprotective Effects of 5'-Deoxy-5'-Methylthioadenosine. <i>PLoS ONE</i> , 2014, 9, e90671.	2.5	13
40	Dual system for the central nervous system targeting and blood-brain barrier transport of a selective prolyl oligopeptidase inhibitor. <i>Biopolymers</i> , 2013, 100, 662-674.	2.4	8
41	From venoms to BBB shuttles: Synthesis and blood-brain barrier transport assessment of apamin and a nontoxic analog. <i>Biopolymers</i> , 2013, 100, 675-686.	2.4	42
42	Intracellular Fate of Peptide-Mediated Delivered Cargoes. <i>Current Pharmaceutical Design</i> , 2013, 19, 2924-2942.	1.9	14
43	Solid-phase-assisted synthesis of targeting peptide-PEG-oligo(ethane amino)amides for receptor-mediated gene delivery. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 3258.	2.8	65
44	Delivery of gold nanoparticles to the brain by conjugation with a peptide that recognizes the transferrin receptor. <i>Biomaterials</i> , 2012, 33, 7194-7205.	11.4	220
45	Shuttle-Mediated Drug Delivery to the Brain. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7998-8014.	13.8	74
46	Design, Synthesis and Characterization of a New Anionic Cell-Penetrating Peptide: SAP(E). <i>ChemBioChem</i> , 2011, 12, 896-903.	2.6	66
47	Selenomethionine Incorporation into Amyloid Sequences Regulates Fibrillogenesis and Toxicity. <i>PLoS ONE</i> , 2011, 6, e27999.	2.5	17
48	Novel Peptidyl Aryl Vinyl Sulfones as Highly Potent and Selective Inhibitors of Cathepsins L and B. <i>ChemMedChem</i> , 2010, 5, 1556-1567.	3.2	27
49	Building Cell Selectivity into CPP-Mediated Strategies. <i>Pharmaceuticals</i> , 2010, 3, 1456-1490.	3.8	46
50	N-Methyl Phenylalanine-Rich Peptides as Highly Versatile Blood-Brain Barrier Shuttles. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 2354-2363.	6.4	64
51	Exploration of the One-Bead One-Compound Methodology for the Design of Prolyl Oligopeptidase Substrates. <i>PLoS ONE</i> , 2009, 4, e6222.	2.5	7
52	A novel family of diketopiperazines as a tool for the study of transport across the blood-brain barrier (BBB) and their potential use as BBB-shuttles. <i>Advances in Experimental Medicine and Biology</i> , 2009, 611, 227-228.	1.6	3
53	The role of peptides in blood-brain barrier nanotechnology. <i>Journal of Peptide Science</i> , 2008, 14, 163-173.	1.4	30
54	Baicalin, a prodrug able to reach the CNS, is a prolyl oligopeptidase inhibitor. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 7516-7524.	3.0	81

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55	Solid-phase synthesis and characterization of N-methyl-rich peptides. <i>Chemical Biology and Drug Design</i> , 2008, 65, 153-166.	1.1	107
56	Toward an Optimal Blood-Brain Barrier Shuttle by Synthesis and Evaluation of Peptide Libraries. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 4881-4889.	6.4	59
57	Exploratory neuropharmacological evaluation of a conformationally constrained thyrotropin-releasing hormone analogue. <i>Brain Research Bulletin</i> , 2007, 73, 103-107.	3.0	5
58	Diketopiperazines as a Tool for the Study of Transport across the Blood-Brain Barrier (BBB) and Their Potential Use as BBB-Shuttles. <i>Journal of the American Chemical Society</i> , 2007, 129, 11802-11813.	13.7	92
59	Does the Solid-Phase Synthesis of a Tetrapeptide Represent a Challenge at the Onset of the XXI Century? The Case of Cyclo [(3R)-3-hydroxydecanoyl-L-seryl-(3R)-3-hydroxydecanoyl-L-seryl]. <i>International Journal of Peptide Research and Therapeutics</i> , 2007, 13, 313-327.	1.9	2
60	Evolutionary combinatorial chemistry, a novel tool for SAR studies on peptide transport across the blood-brain barrier. Part 2. Design, synthesis and evaluation of a first generation of peptides. <i>Journal of Peptide Science</i> , 2005, 11, 789-804.	1.4	18
61	A Pyridinium-substituted Analog of the TRH-like Tripeptide pGlu-Glu-Pro-NH ₂ and its Prodrugs as Central Nervous System Agents. <i>Medicinal Chemistry</i> , 2005, 1, 141-152.	1.5	14
62	Effect of the efflux pump inhibitor Phe-Arg- β -naphthylamide on the MIC values of the quinolones, tetracycline and chloramphenicol, in <i>Escherichia coli</i> isolates of different origin. <i>Journal of Antimicrobial Chemotherapy</i> , 2004, 53, 544-545.	3.0	69
63	Development of a Genetic Algorithm to Design and Identify Peptides that can Cross the Blood-Brain Barrier. <i>QSAR and Combinatorial Science</i> , 2003, 22, 745-753.	1.4	19
64	Bicyclic Homodetic Peptide Libraries: Comparison of Synthetic Strategies for Their Solid-Phase Synthesis. <i>ACS Combinatorial Science</i> , 2003, 5, 760-768.	3.3	23