Hanne Demant Hansen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/270087/publications.pdf

Version: 2024-02-01

94 papers	2,864 citations	201674 27 h-index	214800 47 g-index
101 all docs	101 docs citations	101 times ranked	3587 citing authors

#	Article	IF	Citations
1	Radiolabeling of a polypeptide polymer for intratumoral delivery of alpha-particle emitter, 225Ac, and beta-particle emitter, 177Lu. Nuclear Medicine and Biology, 2022, 104-105, 11-21.	0.6	6
2	The zebrafish embryo as an in vivo model for screening nanoparticle-formulated lipophilic anti-tuberculosis compounds. DMM Disease Models and Mechanisms, 2022, 15, .	2.4	8
3	PET-BIDS, an extension to the brain imaging data structure for positron emission tomography. Scientific Data, 2022, 9, 65.	5.3	20
4	[¹¹C]Carboxylated Tetrazines for Facile Labeling of Transâ€Cyclooctenеâ€Functionalized PeptoBrushes. Macromolecular Rapid Communications, 2022, 43, e2100655.	3.9	8
5	Racemic S â€(ethylsulfonyl)â€dl â€cysteine N â€Carboxyanhydrides Improve Chain Lengths and Monomer Conversion for Î²â€Sheetâ€Controlled Ringâ€Opening Polymerization. Macromolecular Rapid Communications, 2021, 42, 2000470.	3.9	6
6	Effects of a single dose of psilocybin on behaviour, brain 5-HT2A receptor occupancy and gene expression in the pig. European Neuropsychopharmacology, 2021, 42, 1-11.	0.7	19
7	A Single Dose of Psilocybin Increases Synaptic Density and Decreases 5-HT2A Receptor Density in the Pig Brain. International Journal of Molecular Sciences, 2021, 22, 835.	4.1	96
8	Parkinson patients have a presynaptic serotonergic deficit: A dynamic deep brain stimulation PET study. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 0271678X2098238.	4.3	16
9	Therapeutic melanoma inhibition by local micelle-mediated cyclic nucleotide repression. Nature Communications, 2021, 12, 5981.	12.8	13
10	Facile synthesis of amphiphilic AB3 and A3B miktoarm PeptoMiktoStars. Polymer Journal, 2020, 52, 119-132.	2.7	9
11	Imaging HDACs In Vivo: Cross-Validation of the [11C]Martinostat Radioligand in the Pig Brain. Molecular Imaging and Biology, 2020, 22, 569-577.	2.6	7
12	Multifunctional Cationic PeptoStars as siRNA Carrier: Influence of Architecture and Histidine Modification on Knockdown Potential. Macromolecular Bioscience, 2020, 20, 1900152.	4.1	11
13	Radiosynthesis and preclinical evaluation of [¹¹C]Cimbiâ€701 â€“ Towards the imaging of cerebral 5â€HT₇ receptors. Journal of Labelled Compounds and Radiopharmaceuticals, 2020, 63, 46-55.	1.0	3
14	Trans-Cyclooctene-Functionalized PeptoBrushes with Improved Reaction Kinetics of the Tetrazine Ligation for Pretargeted Nuclear Imaging. ACS Nano, 2020, 14, 568-584.	14.6	50
15	Insight into the synthesis of N-methylated polypeptides. Polymer Chemistry, 2020, 11, 6919-6927.	3.9	3
16	Visual stimuli induce serotonin release in occipital cortex: A simultaneous positron emission tomography/magnetic resonance imaging study. Human Brain Mapping, 2020, 41, 4753-4763.	3.6	7
17	Polymeric Nanoparticles: Polymeric Nanoparticles with Neglectable Protein Corona (Small 18/2020). Small, 2020, 16, 2070100.	10.0	2
18	Advances in simultaneous PET/MR for imaging neuroreceptor function. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 1148-1166.	4.3	23

#	Article	IF	Citations
19	Tetrazine- andtrans-cyclooctene-functionalised polypept(o)ides for fast bioorthogonal tetrazine ligation. Polymer Chemistry, 2020, 11, 4396-4407.	3.9	25
20	In Vitro and In Vivo Characterization of Dibenzothiophene Derivatives [125I]Iodo-ASEM and [18F]ASEM as Radiotracers of Homo- and Heteromeric Î±7 Nicotinic Acetylcholine Receptors. Molecules, 2020, 25, 1425.	3.8	8
21	Polymeric Nanoparticles with Neglectable Protein Corona. Small, 2020, 16, e1907574.	10.0	95
22	Blocking of efflux transporters in rats improves translational validation of brain radioligands. EJNMMI Research, 2020, 10, 124.	2.5	12
23	Migraine is associated with high brain 5-HT levels as indexed by 5-HT₄receptor binding. Cephalalgia, 2019, 39, 526-532.	3.9	12
24	Human biodistribution and radiation dosimetry of the 5-HT2A receptor agonist Cimbi-36 labeled with carbon-11 in two positions. EJNMMI Research, 2019, 9, 71.	2.5	7
25	Poly(Sarcosine) Surface Modification Imparts Stealthâ€Like Properties to Liposomes. Small, 2019, 15, e1904716.	10.0	50
26	Association Between Sumatriptan Treatment During a Migraine Attack and Central 5-HT_{1B} Receptor Binding. JAMA Neurology, 2019, 76, 834.	9.0	27
27	Synthesis and Pharmacological Evaluation of [¹¹C]4-Methoxy-N-[2-(thiophen-2-yl)imidazo[1,2-a]pyridin-3-yl]benzamide as a Brain Penetrant PET Ligand Selective for the Î´-Subunit-Containing Î³-Aminobutyric Acid Type A Receptors. ACS Omega, 2019, 4, 8846-8851.	3.5	7
28	Improved radiosynthesis and preliminary in vivo evaluation of the 11C-labeled tetrazine [11C]AE-1 for pretargeted PET imaging. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 986-990.	2.2	16
29	P.182 Imaging histone deacetylases in vivo: cross-validation of the [11C]Martinostat radiotracer in the pig brain. European Neuropsychopharmacology, 2019, 29, S139-S140.	0.7	0
30	Biomolecule-corona formation confers resistance of bacteria to nanoparticle-induced killing: Implications for the design of improved nanoantibiotics. Biomaterials, 2019, 192, 551-559.	11.4	48
31	Impact of Branching on the Solution Behavior and Serum Stability of Starlike Block Copolymers. Biomacromolecules, 2019, 20, 375-388.	5.4	18
32	Evaluation of [¹⁸F]2FP3 in pigs and nonâ€human primates. Journal of Labelled Compounds and Radiopharmaceuticals, 2019, 62, 34-42.	1.0	12
33	High brain serotonin levels in migraine between attacks: A 5-HT4 receptor binding PET study. NeuroImage: Clinical, 2018, 18, 97-102.	2.7	26
34	Of Thiols and Disulfides: Methods for Chemoselective Formation of Asymmetric Disulfides in Synthetic Peptides and Polymers. Chemistry - A European Journal, 2018, 24, 12131-12142.	3.3	29
35	Histidine-rich glycoprotein-induced vascular normalization improves EPR-mediated drug targeting to and into tumors. Journal of Controlled Release, 2018, 282, 25-34.	9.9	29
36	Solution Properties of Polysarcosine: From Absolute and Relative Molar Mass Determinations to Complement Activation. Macromolecules, 2018, 51, 2653-2661.	4.8	66

#	Article	IF	Citations
37	Cooperative Catechol-Functionalized Polypept(o)ide Brushes and Ag Nanoparticles for Combination of Protein Resistance and Antimicrobial Activity on Metal Oxide Surfaces. Biomacromolecules, 2018, 19, 1602-1613.	5.4	38
38	Low 5-HT_{1B} receptor binding in the migraine brain: A PET study. Cephalalgia, 2018, 38, 519-527.	3.9	26
39	The importance of small polar radiometabolites in molecular neuroimaging: A PET study with [¹¹C]Cimbi-36 labeled in two positions. Journal of Cerebral Blood Flow and Metabolism, 2018, 38, 659-668.	4.3	23
40	Automatic delineation of brain regions on MRI and PET images from the pig. Journal of Neuroscience Methods, 2018, 294, 51-58.	2.5	27
41	Monitoring drug nanocarriers in human blood by near-infrared fluorescence correlation spectroscopy. Nature Communications, 2018, 9, 5306.	12.8	55
42	Poly(S-ethylsulfonyl-<scp>l</scp>-homocysteine): An Î±-Helical Polypeptide for Chemoselective Disulfide Formation. Macromolecules, 2018, 51, 8188-8196.	4.8	14
43	Frontispiece: Of Thiols and Disulfides: Methods for Chemoselective Formation of Asymmetric Disulfides in Synthetic Peptides and Polymers. Chemistry - A European Journal, 2018, 24, .	3.3	1
44	Classics in Neuroimaging: The Serotonergic 2A Receptor Systemâ€"from Discovery to Modern Molecular Imaging. ACS Chemical Neuroscience, 2018, 9, 1226-1229.	3.5	10
45	Secondary Structureâ€Driven Hydrogelation Using Foldable Telechelic Polymerâ€"Peptide Conjugates. Macromolecular Rapid Communications, 2018, 39, e1800459.	3.9	10
46	Efficient Shielding of Polyplexes Using Heterotelechelic Polysarcosines. Polymers, 2018, 10, 689.	4.5	23
47	Cerebral 5-HT release correlates with [¹¹C]Cimbi36 PET measures of 5-HT2A receptor occupancy in the pig brain. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 425-434.	4.3	31
48	Serotonergic mechanisms in the migraine brain â€" a systematic review. Cephalalgia, 2017, 37, 251-264.	3.9	68
49	Radiosynthesis and Evaluation of [¹¹C]3-Hydroxycyclopent-1-enecarboxylic Acid as Potential PET Ligand for the High-Affinity Î³-Hydroxybutyric Acid Binding Sites. ACS Chemical Neuroscience, 2017, 8, 22-27.	3.5	8
50	Synthesis and Characterization of Stimuliâ€Responsive Starâ€Like Polypept(o)ides: Introducing Biodegradable PeptoStars. Macromolecular Bioscience, 2017, 17, 1600514.	4.1	21
51	The Influence of Block Ionomer Microstructure on Polyplex Properties: Can Simulations Help to Understand Differences in Transfection Efficiency?. Small, 2017, 13, 1603694.	10.0	13
52	Cerebellar heterogeneity and its impact on PET data quantification of 5-HT receptor radioligands. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 3243-3252.	4.3	12
53	Combining reactive triblock copolymers with functional cross-linkers: A versatile pathway to disulfide stabilized-polyplex libraries and their application as pDNA vaccines. Journal of Controlled Release, 2017, 258, 146-160.	9.9	27
54	¹⁸F-Labelling of electron rich iodonium ylides: application to the radiosynthesis of potential 5-HT_{2A} receptor PET ligands. Organic and Biomolecular Chemistry, 2017, 15, 4351-4358.	2.8	15

#	Article	IF	Citations
55	Orthogonally reactive amino acids and end groups in NCA polymerization. Polymer Chemistry, 2017, 8, 957-971.	3.9	35
56	Functional Characterization of 5-HT_{1B}Receptor Drugs in Nonhuman Primates Using Simultaneous PET-MR. Journal of Neuroscience, 2017, 37, 10671-10678.	3.6	16
57	Combining Orthogonal Reactive Groups in Block Copolymers for Functional Nanoparticle Synthesis in a Single Step. ACS Macro Letters, 2017, 6, 1140-1145.	4.8	29
58	Synthesis, radiofluorination, and preliminary evaluation of the potential 5â€HT_{2A} receptor agonists [¹⁸F]Cimbiâ€92 and [¹⁸F]Cimbiâ€150. Journal of Labelled Compounds and Radiopharmaceuticals, 2017, 60, 586-591.	1.0	2
59	Balancing Passive and Active Targeting to Different Tumor Compartments Using Riboflavin-Functionalized Polymeric Nanocarriers. Nano Letters, 2017, 17, 4665-4674.	9.1	69
60	Targeting distinct myeloid cell populations inÂvivo using polymers, liposomes and microbubbles. Biomaterials, 2017, 114, 106-120.	11.4	63
61	Impact of Î¼-map Processing and Transmission Scan Count Statistics on Quantification of PET Pig Brain Scans - and Temporal Variation of Scatter Correction Induced by Î¼-map Mismatch. , 2017, , .		0
62	Design of Infusion Schemes for Neuroreceptor Imaging: Application to [¹¹C]Flumazenil-PET Steady-State Study. BioMed Research International, 2016, 2016, 1-8.	1.9	6
63	Polysarcosine-Based Lipids: From Lipopolypeptoid Micelles to Stealth-Like Lipids in Langmuir Blodgett Monolayers. Polymers, 2016, 8, 427.	4.5	25
64	Synthesis and evaluation of 18F-labeled 5-HT2A receptor agonists as PET ligands. Nuclear Medicine and Biology, 2016, 43, 455-462.	0.6	18
65	A regularized full reference tissue model for PET neuroreceptor mapping. NeuroImage, 2016, 139, 405-414.	4.2	9
66	Autoradiographic imaging and quantification of the high-affinity GHB binding sites in rodent brain using 3H-HOCPCA. Neurochemistry International, 2016, 100, 138-145.	3.8	12
67	Convergent 18F-labeling and evaluation of N-benzyl-phenethylamines as 5-HT2A receptor PET ligands. Bioorganic and Medicinal Chemistry, 2016, 24, 5353-5356.	3.0	13
68	Poly(S-ethylsulfonyl-<scp>l</scp>-cysteines) for Chemoselective Disulfide Formation. Macromolecules, 2016, 49, 8146-8153.	4.8	22
69	Rethinking Cysteine Protective Groups: Sâ€Alkylsulfonylâ€<scp>l</scp>â€Cysteines for Chemoselective Disulfide Formation. Chemistry - A European Journal, 2016, 22, 18085-18091.	3.3	27
70	Metabolic Fate of Hallucinogenic NBOMes. Chemical Research in Toxicology, 2016, 29, 96-100.	3.3	42
71	The Center for Integrated Molecular Brain Imaging (Cimbi) database. NeuroImage, 2016, 124, 1213-1219.	4.2	95
72	Synthesis of Amphiphilic Block Copolypept(o)ides by Bifunctional Initiators: Making PeptoMicelles Redox Sensitive. Macromolecular Rapid Communications, 2015, 36, 2083-2091.	3.9	33

#	Article	IF	Citations
73	Polypept(o)ides: Hybrid Systems Based on Polypeptides and Polypeptoids. Macromolecular Rapid Communications, 2015, 36, 1943-1957.	3.9	94
74	Quo vadis nanomedicine?. Nanomedicine, 2015, 10, 3089-3091.	3.3	20
75	11C-labeling and preliminary evaluation of pimavanserin as a 5-HT2A receptor PET-radioligand. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 1053-1056.	2.2	15
76	Evaluating chemical ligation techniques for the synthesis of block copolypeptides, polypeptoids and block copolypept(o)ides: a comparative study. Polymer Chemistry, 2015, 6, 4612-4623.	3.9	27
77	Evaluation of 3-Ethyl-3-(phenylpiperazinylbutyl)oxindoles as PET Ligands for the Serotonin 5-HT₇ Receptor: Synthesis, Pharmacology, Radiolabeling, and in Vivo Brain Imaging in Pigs. Journal of Medicinal Chemistry, 2015, 58, 3631-3636.	6.4	32
78	Labeling and preliminary in vivo evaluation of the 5-HT7 receptor selective agonist [11C]E-55888. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 1901-1904.	2.2	13
79	Complexity and simplification in the development of nanomedicines. Nanomedicine, 2015, 10, 3093-3097.	3.3	27
80	Design, synthesis, radiolabeling and in vivo evaluation of potential positron emission tomography (PET) radioligands for brain imaging of the 5-HT7 receptor. Bioorganic and Medicinal Chemistry, 2014, 22, 1736-1750.	3.0	22
81	Polypeptoid-block-polypeptide Copolymers: Synthesis, Characterization, and Application of Amphiphilic Block Copolypept(o)ides in Drug Formulations and Miniemulsion Techniques. Biomacromolecules, 2014, 15, 548-557.	5.4	122
82	Radiosynthesis and In Vivo Evaluation of Novel Radioligands for PET Imaging of Cerebral 5-HT₇ Receptors. Journal of Nuclear Medicine, 2014, 55, 640-646.	5.0	37
83	11C-labeling and preliminary evaluation of vortioxetine as a PET radioligand. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 2408-2411.	2.2	16
84	Synthesis, radiolabeling and inÂvivo evaluation of [11C](R)-1-[4-[2-(4-methoxyphenyl)phenyl]piperazin-1-yl]-3-(2-pyrazinyloxy)-2-propanol, a potential PET radioligand for the 5-HT7 receptor. European Journal of Medicinal Chemistry, 2014, 79, 152-163.	5.5	26
85	A versatile post-polymerization modification method for polyglutamic acid: synthesis of orthogonal reactive polyglutamates and their use in â€œclick chemistryâ€• Polymer Chemistry, 2013, 4, 2989.	3.9	38
86	Direct comparison of [¹⁸F]MH.MZ and [¹⁸F]altanserin for 5â€HT_{2A} receptor imaging with PET. Synapse, 2013, 67, 328-337.	1.2	20
87	Radiolabelling and PET brain imaging of the Î±1-adrenoceptor antagonist Lu AE43936. Nuclear Medicine and Biology, 2013, 40, 135-140.	0.6	17
88	FAS-Dependent Cell Death in Î±-Synuclein Transgenic Oligodendrocyte Models of Multiple System Atrophy. PLoS ONE, 2013, 8, e55243.	2.5	28
89	Synthesis and evaluation of [11C]Cimbi-806 as a potential PET ligand for 5-HT7 receptor imaging. Bioorganic and Medicinal Chemistry, 2012, 20, 4574-4581.	3.0	23
90	No change in [¹¹C]CUMIâ€101 binding to 5â€HT_{1A} receptors after intravenous citalopram in human. Synapse, 2012, 66, 880-884.	1.2	33

#	Article	IF	Citations
91	Overcoming the PEG-addiction: well-defined alternatives to PEG, from structureâ€“property relationships to better defined therapeutics. Polymer Chemistry, 2011, 2, 1900.	3.9	356
92	Macromol. Rapid Commun. 9â€“10/2011. Macromolecular Rapid Communications, 2011, 32, .	3.9	1
93	Î±-Synuclein Aggregation and Ser-129 Phosphorylation-dependent Cell Death in Oligodendroglial Cells. Journal of Biological Chemistry, 2009, 284, 10211-10222.	3.4	123
94	A cyclic peptidylic inhibitor of murine urokinase-type plasminogen activator: changing species specificity by substitution of a single residue. Biochemical Journal, 2008, 412, 447-457.	3.7	25