

Dirk Ts Rijkers

List of Publications by Year in descending order

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40
papers

1,630
citations

331259

21
h-index

288905

40
g-index

42
all docs

42
docs citations

42
times ranked

2214
citing authors

#	ARTICLE	IF	CITATIONS
1	An Electrostatic/Hydrogen Bond Switch as the Basis for the Specific Interaction of Phosphatidic Acid with Proteins. <i>Journal of Biological Chemistry</i> , 2007, 282, 11356-11364.	1.6	214
2	Tilt Angles of Transmembrane Model Peptides in Oriented and Non-Oriented Lipid Bilayers as Determined by 2H Solid-State NMR. <i>Biophysical Journal</i> , 2004, 86, 3709-3721.	0.2	172
3	Islet Amyloid Polypeptide Inserts into Phospholipid Monolayers as Monomer. <i>Journal of Molecular Biology</i> , 2006, 356, 783-789.	2.0	170
4	Self-association of Transmembrane α -Helices in Model Membranes. <i>Journal of Biological Chemistry</i> , 2005, 280, 39324-39331.	1.6	123
5	Influence of Hydrophobic Mismatch and Amino Acid Composition on the Lateral Diffusion of Transmembrane Peptides. <i>Biophysical Journal</i> , 2010, 99, 1447-1454.	0.2	84
6	Photocrosslinking and Click Chemistry Enable the Specific Detection of Proteins Interacting with Phospholipids at the Membrane Interface. <i>Chemistry and Biology</i> , 2009, 16, 3-14.	6.2	83
7	β -Sheet Structured β -Amyloid(1-40) Perturbs Phosphatidylcholine Model Membranes. <i>Journal of Molecular Biology</i> , 2007, 368, 982-997.	2.0	75
8	Influence of hydrophobic mismatch and palmitoylation on the association of transmembrane α -helical peptides with detergent-resistant membranes. <i>FEBS Letters</i> , 2002, 523, 79-84.	1.3	59
9	Chemoselective coupling of peptide fragments using the Staudinger ligation. <i>Tetrahedron Letters</i> , 2003, 44, 4515-4518.	0.7	53
10	A convenient synthesis of amino acid p-nitroanilides; synthons in the synthesis of protease substrates. <i>Tetrahedron</i> , 1995, 51, 11235-11250.	1.0	51
11	A micelle-shedding thermosensitive hydrogel as sustained release formulation. <i>Journal of Controlled Release</i> , 2012, 162, 582-590.	4.8	50
12	Tilt and Rotation Angles of a Transmembrane Model Peptide as Studied by Fluorescence Spectroscopy. <i>Biophysical Journal</i> , 2009, 97, 2258-2266.	0.2	44
13	Transformation of the amyloidogenic peptide amylin(20-29) into its corresponding peptoid and retropeptoid: Access to both an amyloid inhibitor and template for self-assembled supramolecular tapes. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 1837-1842.	1.0	33
14	Alkene- and alkyne-bridged mimics of nisin as potential peptide-based antibiotics. <i>Journal of Molecular Catalysis A</i> , 2006, 254, 68-77.	4.8	31
15	A convenient synthesis of azido peptides by post-assembly diazo transfer on the solid phase applicable to large peptides. <i>Tetrahedron Letters</i> , 2002, 43, 3657-3660.	0.7	30
16	Prevention of the Influence of Fibrin and α 2-Macroglobulin in the Continuous Measurement of the Thrombin Potential. <i>Thrombosis Research</i> , 1998, 89, 161-169.	0.8	29
17	Probing membrane protein orientation and structure using fast magic-angle-spinning solid-state NMR. <i>Journal of Biomolecular NMR</i> , 2004, 30, 253-265.	1.6	29
18	Enzymatic synthesis of activated esters and their subsequent use in enzyme-based peptide synthesis. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2011, 71, 79-84.	1.8	27

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19	Improving the biological activity of the antimicrobial peptide anoplin by membrane anchoring through a lipophilic amino acid derivative. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 3749-3752.	1.0	27
20	A convenient solid phase synthesis of S-palmitoyl transmembrane peptides. <i>Tetrahedron Letters</i> , 2005, 46, 3341-3345.	0.7	22
21	Delayed fibril formation of amylin(20-29) by incorporation of alkene dipeptidosulfonamide isosteres obtained by solid phase olefin cross metathesis. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 78-84.	1.0	22
22	Influence of Trifluoroethanol on Membrane Interfacial Anchoring Interactions of Transmembrane α -Helical Peptides. <i>Biophysical Journal</i> , 2008, 94, 1315-1325.	0.2	22
23	Enzymatic C-terminal amidation of amino acids and peptides. <i>Tetrahedron Letters</i> , 2012, 53, 3777-3779.	0.7	20
24	The α M1 segment of the nicotinic acetylcholine receptor exhibits conformational flexibility in a membrane environment. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2004, 1665, 40-47.	1.4	19
25	Semi-synthesis of biologically active nisin hybrids composed of the native lanthionine ABC-fragment and a cross-stapled synthetic DE-fragment. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 5345-5353.	1.4	17
26	Mode of Action of cGMP-dependent Protein Kinase-specific Inhibitors Probed by Photoaffinity Cross-linking Mass Spectrometry. <i>Journal of Biological Chemistry</i> , 2009, 284, 16354-16368.	1.6	16
27	The use of phosphorus oxychloride in the synthesis of amino acid <i>p</i> -nitroanilides. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , 1991, 110, 347-348.	0.0	16
28	A versatile and selective chemo-enzymatic synthesis of α -protected aspartic and β -protected glutamic acid derivatives. <i>Tetrahedron Letters</i> , 2009, 50, 2719-2721.	0.7	15
29	Synthesis of bicyclic tripeptides inspired by the ABC-ring system of vancomycin through ruthenium-based cyclization chemistries. <i>Tetrahedron Letters</i> , 2017, 58, 4542-4546.	0.7	12
30	Synthesis and characterization of tailorable biodegradable thermoresponsive methacryloylamide polymers based on l-serine and l-threonine alkyl esters. <i>Polymer</i> , 2010, 51, 2479-2485.	1.8	11
31	Interfacial properties of the M1 segment of the nicotinic acetylcholine receptor. <i>Biophysical Chemistry</i> , 2006, 121, 171-176.	1.5	9
32	pH-controlled aggregation polymorphism of amyloidogenic A β (16-22): Insights for obtaining peptide tapes and peptide nanotubes, as function of the N-terminal capping moiety. <i>European Journal of Medicinal Chemistry</i> , 2014, 88, 55-65.	2.6	8
33	Synthesis of peptide <i>p</i> -nitroanilides mimicking fibrinogen- and hirudin-binding to thrombin Design of slow reacting thrombin substrates. <i>International Journal of Peptide and Protein Research</i> , 1996, 48, 182-193.	0.1	7
34	A convenient synthesis of new chromophoric tetracyanobutadiene-scaffolded peptides via a dipolar [2+2] cycloaddition-cycloreversion reaction. <i>Tetrahedron Letters</i> , 2011, 52, 4021-4025.	0.7	7
35	A convenient [2+2] cycloaddition-cycloreversion reaction for the synthesis of 1,1-dicyanobuta-1,3-diene-scaffolded peptides as new imaging chromophores. <i>Tetrahedron Letters</i> , 2011, 52, 6963-6967.	0.7	6
36	Mirror image supramolecular helical tapes formed by the enantiomeric-depsipeptide derivatives of the amyloidogenic peptide amylin(20-29). <i>Tetrahedron Letters</i> , 2008, 49, 987-991.	0.7	5

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37	A conformationally constrained fused tricyclic nisin AB-ring system mimic toward an improved pyrophosphate binder of lipid II. <i>Tetrahedron</i> , 2014, 70, 7691-7699.	1.0	5
38	Synthesis of a tricyclic hexapeptide "via two consecutive ruthenium-catalyzed macrocyclization steps" with a constrained topology to mimic vancomycin's binding properties toward D-Ala-D-Ala dipeptide. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2022, 73, 128887.	1.0	4
39	Synthesis and biological activity of N-terminal lipidated and/or fluorescently labeled conjugates of astressin as corticotropin releasing factor antagonists. <i>Bioorganic and Medicinal Chemistry</i> , 2004, 12, 5099-5106.	1.4	2
40	Peptide p-nitroanilides: Chromogenic substrates for the determination of the thrombin generation curve. , 1995, , 901-902.		0