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	Synthesis of a tricyclic hexapeptide â€“via two consecutive ruthenium-catalyzed macrocyclization stepsâ€“ with a constrained topology to mimic vancomycin's binding properties toward D-Ala-D-Ala dipeptide. Bioorganic and Medicinal Chemistry Letters, 2022, 73, 128887.	1.0	4
2	Synthesis of bicyclic tripeptides inspired by the ABC-ring system of vancomycin through ruthenium-based cyclization chemistries. Tetrahedron Letters, 2017, 58, 4542-4546.	0.7	12
3	pH-controlled aggregation polymorphism of amyloidogenic AÎ²(16â€“22): Insights for obtaining peptide tapes and peptide nanotubes, as function of the N-terminal capping moiety. European Journal of Medicinal Chemistry, 2014, 88, 55-65.	2.6	8
4	Semi-synthesis of biologically active nisin hybrids composed of the native lanthionine ABC-fragment and a cross-stapled synthetic DE-fragment. Bioorganic and Medicinal Chemistry, 2014, 22, 5345-5353.	1.4	17
5	A conformationally constrained fused tricyclic nisin AB-ring system mimic toward an improved pyrophosphate binder of lipid II. Tetrahedron, 2014, 70, 7691-7699.	1.0	5
6	Improving the biological activity of the antimicrobial peptide anoplin by membrane anchoring through a lipophilic amino acid derivative. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 3749-3752.	1.0	27
7	A micelle-shedding thermosensitive hydrogel as sustained release formulation. Journal of Controlled Release, 2012, 162, 582-590.	4.8	50
8	Enzymatic C-terminal amidation of amino acids and peptides. Tetrahedron Letters, 2012, 53, 3777-3779.	0.7	20
9	A convenient [2+2] cycloadditionâ€“cycloreversion reaction for the synthesis of 1,1-dicyanobuta-1,3-diene-scaffolded peptides as new imaging chromophores. Tetrahedron Letters, 2011, 52, 6963-6967.	0.7	6
10	Enzymatic synthesis of activated esters and their subsequent use in enzyme-based peptide synthesis. Journal of Molecular Catalysis B: Enzymatic, 2011, 71, 79-84.	1.8	27
11	A convenient synthesis of new chromophoric tetracyanobutadiene-scaffolded peptides via a dipolar [2+2] cycloadditionâ€“cycloreversion reaction. Tetrahedron Letters, 2011, 52, 4021-4025.	0.7	7
12	Synthesis and characterization of tailorable biodegradable thermoresponsive methacryloylamide polymers based on l-serine and l-threonine alkyl esters. Polymer, 2010, 51, 2479-2485.	1.8	11
13	Influence of Hydrophobic Mismatch and Amino Acid Composition on the Lateral Diffusion of Transmembrane Peptides. Biophysical Journal, 2010, 99, 1447-1454.	0.2	84
14	Mode of Action of cGMP-dependent Protein Kinase-specific Inhibitors Probed by Photoaffinity Cross-linking Mass Spectrometry. Journal of Biological Chemistry, 2009, 284, 16354-16368.	1.6	16
15	A versatile and selective chemo-enzymatic synthesis of Î²-protected aspartic and Î³-protected glutamic acid derivatives. Tetrahedron Letters, 2009, 50, 2719-2721.	0.7	15
16	Photocrosslinking and Click Chemistry Enable the Specific Detection of Proteins Interacting with Phospholipids at the Membrane Interface. Chemistry and Biology, 2009, 16, 3-14.	6.2	83
17	Tilt and Rotation Angles of a Transmembrane Model Peptide as Studied by Fluorescence Spectroscopy. Biophysical Journal, 2009, 97, 2258-2266.	0.2	44
18	Delayed fibril formation of amylin(20â€“29) by incorporation of alkene dipeptidosulfonamide isosteres obtained by solid phase olefin cross metathesis. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 78-84.	1.0	22

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19	Mirror image supramolecular helical tapes formed by the enantiomeric-depsipeptide derivatives of the amyloidogenic peptide amylin(20â€“29). Tetrahedron Letters, 2008, 49, 987-991.	0.7	5
20	Influence of Trifluoroethanol on Membrane Interfacial Anchoring Interactions of Transmembrane Î±-Helical Peptides. Biophysical Journal, 2008, 94, 1315-1325.	0.2	22
21	An Electrostatic/Hydrogen Bond Switch as the Basis for the Specific Interaction of Phosphatidic Acid with Proteins. Journal of Biological Chemistry, 2007, 282, 11356-11364.	1.6	214
22	Î²-Sheet Structured Î²-Amyloid(1-40) Perturbs Phosphatidylcholine Model Membranes. Journal of Molecular Biology, 2007, 368, 982-997.	2.0	75
23	Transformation of the amyloidogenic peptide amylin(20â€“29) into its corresponding peptoid and retropeptoid: Access to both an amyloid inhibitor and template for self-assembled supramolecular tapes. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 1837-1842.	1.0	33
24	Islet Amyloid Polypeptide Inserts into Phospholipid Monolayers as Monomer. Journal of Molecular Biology, 2006, 356, 783-789.	2.0	170
25	Alkene- and alkyne-bridged mimics of nisin as potential peptide-based antibiotics. Journal of Molecular Catalysis A, 2006, 254, 68-77.	4.8	31
26	Interfacial properties of the M1 segment of the nicotinic acetylcholine receptor. Biophysical Chemistry, 2006, 121, 171-176.	1.5	9
27	A convenient solid phase synthesis of S-palmitoyl transmembrane peptides. Tetrahedron Letters, 2005, 46, 3341-3345.	0.7	22
28	Self-association of Transmembrane Î±-Helices in Model Membranes. Journal of Biological Chemistry, 2005, 280, 39324-39331.	1.6	123
29	Probing membrane protein orientation and structure using fast magic-angle-spinning solid-state NMR. Journal of Biomolecular NMR, 2004, 30, 253-265.	1.6	29
30	Synthesis and biological activity of N-terminal lipidated and/or fluorescently labeled conjugates of astressin as corticotropin releasing factor antagonists. Bioorganic and Medicinal Chemistry, 2004, 12, 5099-5106.	1.4	2
31	Tilt Angles of Transmembrane Model Peptides in Oriented and Non-Oriented Lipid Bilayers as Determined by 2H Solid-State NMR. Biophysical Journal, 2004, 86, 3709-3721.	0.2	172
32	The Î±M1 segment of the nicotinic acetylcholine receptor exhibits conformational flexibility in a membrane environment. Biochimica Et Biophysica Acta - Biomembranes, 2004, 1665, 40-47.	1.4	19
33	Chemoselective coupling of peptide fragments using the Staudinger ligation. Tetrahedron Letters, 2003, 44, 4515-4518.	0.7	53
34	Influence of hydrophobic mismatch and palmitoylation on the association of transmembrane Î±-helical peptides with detergent-resistant membranes. FEBS Letters, 2002, 523, 79-84.	1.3	59
35	A convenient synthesis of azido peptides by post-assembly diazo transfer on the solid phase applicable to large peptides. Tetrahedron Letters, 2002, 43, 3657-3660.	0.7	30
36	Prevention of the Influence of Fibrin and Î±2-Macroglobulin in the Continuous Measurement of the Thrombin Potential. Thrombosis Research, 1998, 89, 161-169.	0.8	29

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37	Synthesis of peptide pâ€nitroanilides mimicking fibrinogenâ€and hirudinâ€binding to thrombin Design of slow reacting thrombin substrates. International Journal of Peptide and Protein Research, 1996, 48, 182-193.	0.1	7
38	A convenient synthesis of amino acid p-nitroanilides; synthons in the synthesis of protease substrates. Tetrahedron, 1995, 51, 11235-11250.	1.0	51
39	Peptide p-nitroanilides: Chromogenic substrates for the determination of the thrombin generation curve. , 1995, , 901-902.		0
40	The use of phosphorus oxychloride in the synthesis of amino acid pâ€nitroanilides. Recueil Des Travaux Chimiques Des Pays-Bas, 1991, 110, 347-348.	0.0	16