

Peter Timmerman

List of Publications by Year in descending order

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21
papers

749
citations

687363

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752698

20
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docs citations

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1058
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#	ARTICLE	IF	CITATIONS
1	Rapid and Quantitative Cyclization of Multiple Peptide Loops onto Synthetic Scaffolds for Structural Mimicry of Protein Surfaces. <i>ChemBioChem</i> , 2005, 6, 821-824.	2.6	241
2	Affinity maturation of antibodies assisted by <i>in silico</i> modeling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 9029-9034.	7.1	118
3	Functional reconstruction and synthetic mimicry of a conformational epitope using CLIPS [®] technology. <i>Journal of Molecular Recognition</i> , 2007, 20, 283-299.	2.1	96
4	Synthesis of Water-Soluble Scaffolds for Peptide Cyclization, Labeling, and Ligation. <i>Organic Letters</i> , 2012, 14, 1194-1197.	4.6	46
5	A Combinatorial Approach for the Design of Complementarity-determining Region-derived Peptidomimetics with <i>in Vitro</i> Anti-tumoral Activity. <i>Journal of Biological Chemistry</i> , 2009, 284, 34126-34134.	3.4	30
6	Bicyclic RGD Peptides with Exquisite Selectivity for the Integrin $\alpha_5\beta_3$ Receptor Using a "Random Design" Approach. <i>ACS Combinatorial Science</i> , 2019, 21, 198-206.	3.8	28
7	Designing antibodies for the inhibition of gastrin activity in tumoral cell lines. <i>International Journal of Cancer</i> , 2008, 122, 2351-2359.	5.1	23
8	Mapping of a discontinuous and highly conformational binding site on follicle stimulating hormone subunit- β_2 (FSH- β_2) using domain Scan [®] and Matrix Scan [®] technology. <i>Molecular Diversity</i> , 2004, 8, 61-77.	3.9	21
9	General and Facile Route to Isomerically Pure Tricyclic Peptides Based on Templated Tandem CLIPS/CuAAC Cyclizations. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 501-505.	13.8	21
10	Synthesis of Constrained Tetracyclic Peptides by Consecutive CEPS, CLIPS, and Oxime Ligation. <i>Organic Letters</i> , 2019, 21, 2095-2100.	4.6	18
11	High-Affinity RGD-Knottin Peptide as a New Tool for Rapid Evaluation of the Binding Strength of Unlabeled RGD-Peptides to $\alpha_5\beta_3$, $\alpha_5\beta_1$, and $\alpha_5\beta_1$ Integrin Receptors. <i>Analytical Chemistry</i> , 2017, 89, 5991-5997.	6.5	16
12	Bicyclic RGD peptides with high integrin $\alpha_5\beta_3$ and $\alpha_5\beta_1$ affinity promote cell adhesion on elastin-like recombinamers. <i>Biomedical Materials (Bristol)</i> , 2019, 14, 035009.	3.3	16
13	Bicyclic RGD peptides enhance nerve growth in synthetic PEG-based Anisogels. <i>Biomaterials Science</i> , 2021, 9, 4329-4342.	5.4	16
14	A One-Pot "Triple-C" Multicyclization Methodology for the Synthesis of Highly Constrained Isomerically Pure Tetracyclic Peptides. <i>ChemBioChem</i> , 2018, 19, 1934-1938.	2.6	13
15	High-Affinity $\alpha_5\beta_1$ -Integrin-Selective Bicyclic RGD Peptides Identified via Screening of Designed Random Libraries. <i>ACS Combinatorial Science</i> , 2019, 21, 598-607.	3.8	13
16	Binding of CDR _H -derived peptides is mechanistically different from that of high-affinity parental antibodies. <i>Journal of Molecular Recognition</i> , 2010, 23, 559-568.	2.1	8
17	Thin-Film Polyisocyanide-Based Hydrogels for Affinity Biosensors. <i>Journal of Physical Chemistry C</i> , 2021, 125, 12960-12967.	3.1	8
18	Reconstructing the Discontinuous and Conformational $\alpha_5\beta_3$ Loop Binding Site on hFSH/hCG by Using Highly Constrained Multicyclic Peptides. <i>ChemBioChem</i> , 2015, 16, 91-99.	2.6	7

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19	General and Facile Route to Isomerically Pure Tricyclic Peptides Based on Templated Tandem CLIPS/CuAAC Cyclizations. <i>Angewandte Chemie</i> , 2018, 130, 510-514.	2.0	7
20	Molecular Detection of Venous Thrombosis in Mouse Models Using SPECT/CT. <i>Biomolecules</i> , 2022, 12, 829.	4.0	1
21	Innentitelbild: General and Facile Route to Isomerically Pure Tricyclic Peptides Based on Templated Tandem CLIPS/CuAAC Cyclizations (<i>Angew. Chem.</i> 2/2018). <i>Angewandte Chemie</i> , 2018, 130, 368-368.	2.0	0