

# Horst Kessler

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

587  
papers

39,483  
citations

99  
h-index

174  
g-index

608  
ext. papers

42,136  
ext. citations

7.7  
avg, IF

7.16  
L-index

#	Paper	IF	Citations
587	Molecular Signature of Astrocytes for Gene Delivery by the Synthetic Adeno-Associated Viral Vector rAAV9P1.. <i>Advanced Science</i> , <b>2022</b> , e2104979	13.6	1
586	Identification of adeno-associated virus variants for gene transfer into human neural cell types by parallel capsid screening.. <i>Scientific Reports</i> , <b>2022</b> , 12, 8356	4.9	2
585	The organometallic ferrocene exhibits amplified anti-tumor activity by targeted delivery via highly selective ligands to $\alpha 5 \beta 1$ , $\alpha 6 \beta 1$ , or $\alpha 8 \beta 1$ integrins. <i>Biomaterials</i> , <b>2021</b> , 271, 120754	15.6	3
584	RGD-Binding Integrins Revisited: How Recently Discovered Functions and Novel Synthetic Ligands (Re-)Shape an Ever-Evolving Field. <i>Cancers</i> , <b>2021</b> , 13,	6.6	20
583	Halting the Spread of Herpes Simplex Virus-1: The Discovery of an Effective Dual $\alpha 5 \beta 1 / \alpha 6 \beta 1$ Integrin Ligand. <i>Journal of Medicinal Chemistry</i> , <b>2021</b> , 64, 6972-6984	8.3	2
582	Synthetic extracellular matrices with tailored adhesiveness and degradability support lumen formation during angiogenic sprouting. <i>Nature Communications</i> , <b>2021</b> , 12, 3402	17.4	5
581	Multiparametric PET and MRI of myocardial damage after myocardial infarction: correlation of integrin $\alpha 5 \beta 1$ expression and myocardial blood flow. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2021</b> , 48, 1070-1080	8.8	11
580	Surface Co-presentation of BMP-2 and integrin selective ligands at the nanoscale favors $\alpha 5 \beta 1$ integrin-mediated adhesion. <i>Biomaterials</i> , <b>2021</b> , 267, 120484	15.6	7
579	Integrin $\alpha 5 \beta 1$ nano-presentation regulates collective keratinocyte migration independent of substrate rigidity. <i>ELife</i> , <b>2021</b> , 10,	8.9	2
578	Advanced quantification for single-cell adhesion by variable-angle TIRF nanoscopy. <i>Biophysical Reports</i> , <b>2021</b> , 1, 100021		0
577	Assessment of a pro-healing stent in an animal model of early neoatherosclerosis. <i>Scientific Reports</i> , <b>2020</b> , 10, 8227	4.9	1
576	Are we curing one evil with another? A translational approach targeting the role of neoatherosclerosis in late stent failure. <i>European Heart Journal Supplements</i> , <b>2020</b> , 22, C15-C25	1.5	
575	Integrin Subtypes and Nanoscale Ligand Presentation Influence Drug Sensitivity in Cancer Cells. <i>Nano Letters</i> , <b>2020</b> , 20, 1183-1191	11.5	15
574	Organoids to Study Intestinal Nutrient Transport, Drug Uptake and Metabolism - Update to the Human Model and Expansion of Applications. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 577656	5.8	16
573	Recruitment of $\alpha 5 \beta 1$ Integrin to $\alpha 5 \beta 1$ Integrin-induced clusters enables focal adhesion maturation and cell spreading. <i>Journal of Cell Science</i> , <b>2020</b> , 133,	5.3	15
572	Evidence for functional selectivity in TUDC- and norUDCA-induced signal transduction via $\alpha 5 \beta 1$ integrin towards choleresis. <i>Scientific Reports</i> , <b>2020</b> , 10, 5795	4.9	4
571	Validation of [ <sup>125</sup> I]CPCR4.3 as an investigative tool for the sensitive and specific detection of hCXCR4 and mCXCR4 expression in vitro and in vivo. <i>EJNMMI Research</i> , <b>2019</b> , 9, 75	3.6	5

570	Control of stem cell response and bone growth on biomaterials by fully non-peptidic integrin selective ligands. <i>Biomaterials Science</i> , <b>2019</b> , 7, 1281-1285	7.4	8
569	In vivo imaging of early stages of rheumatoid arthritis by $\alpha_5\beta_1$ -integrin-targeted positron emission tomography. <i>EJNMMI Research</i> , <b>2019</b> , 9, 87	3.6	10
568	Differential Modulation of Platelet Adhesion and Spreading by Adhesive Ligand Density. <i>Nano Letters</i> , <b>2019</b> , 19, 1418-1427	11.5	16
567	Selective Targeting of Integrin $\alpha_5\beta_1$ by a Highly Active Cyclic Peptide. <i>Journal of Medicinal Chemistry</i> , <b>2019</b> , 62, 2024-2037	8.3	23
566	N-Methylation of isoDGR Peptides: Discovery of a Selective $\alpha_5\beta_1$ -Integrin Ligand as a Potent Tumor Imaging Agent. <i>Journal of Medicinal Chemistry</i> , <b>2018</b> , 61, 2490-2499	8.3	13
565	Therapeutic Radiopharmaceuticals Targeting Integrin $\alpha_5\beta_1$ . <i>ACS Omega</i> , <b>2018</b> , 3, 2428-2436	3.9	15
564	From a Helix to a Small Cycle: Metadynamics-Inspired $\alpha_5\beta_1$ Integrin Selective Ligands. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 14645-14649	16.4	22
563	Development of Novel Melanocortin Receptor Agonists Based on the Cyclic Peptide Framework of Sunflower Trypsin Inhibitor-1. <i>Journal of Medicinal Chemistry</i> , <b>2018</b> , 61, 3674-3684	8.3	16
562	Improving oral bioavailability of cyclic peptides by N-methylation. <i>Bioorganic and Medicinal Chemistry</i> , <b>2018</b> , 26, 2766-2773	3.4	90
561	Enhancing Oral Bioavailability of Cyclic RGD Hexa-peptides by the Lipophilic Prodrug Charge Masking Approach: Redirection of Peptide Intestinal Permeability from a Paracellular to Transcellular Pathway. <i>Molecular Pharmaceutics</i> , <b>2018</b> , 15, 3468-3477	5.6	16
560	Oral aktive Peptide: Gibt es ein Patentrezept?. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 14614-14640	3.6	10
559	Orally Active Peptides: Is There a Magic Bullet?. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 14414-14438	16.4	67
558	Combining Adhesive Nanostructured Surfaces and Costimulatory Signals to Increase T Cell Activation. <i>Nano Letters</i> , <b>2018</b> , 18, 5899-5904	11.5	15
557	Von einer Helix zu einem kleinen Ring: Metadynamik-inspirierte, selektive Liganden $\alpha_5\beta_1$ -Integrin. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 14856-14860	3.6	3
556	Fluorescence imaging of invasive head and neck carcinoma cells with integrin $\alpha_5\beta_1$ -targeting RGD-peptides: an approach to a fluorescence-assisted intraoperative cytological assessment of bony resection margins. <i>British Journal of Oral and Maxillofacial Surgery</i> , <b>2018</b> , 56, 972-978	1.4	14
555	Intraoperatives molekulares Bioimaging von Kopf-Hals-Karzinomen. <i>Der MKG-Chirurg</i> , <b>2018</b> , 11, 259-267	0.2	
554	Bioconjugation of Supramolecular Metallacages to Integrin Ligands for Targeted Delivery of Cisplatin. <i>Bioconjugate Chemistry</i> , <b>2018</b> , 29, 3856-3865	6.3	26
553	Simultaneous Targeting of RGD-Integrins and Dual Murine Double Minute Proteins in Glioblastoma Multiforme. <i>Journal of Medicinal Chemistry</i> , <b>2018</b> , 61, 4791-4809	8.3	9

552	A Comprehensive Evaluation of the Activity and Selectivity Profile of Ligands for RGD-binding Integrins. <i>Scientific Reports</i> , <b>2017</b> , 7, 39805	4.9	279
551	Focal adhesion stabilization by enhanced integrin-cRGD binding affinity. <i>BioNanoMaterials</i> , <b>2017</b> , 18,		8
550	Fibronectin promotes directional persistence in fibroblast migration through interactions with both its cell-binding and heparin-binding domains. <i>Scientific Reports</i> , <b>2017</b> , 7, 3711	4.9	24
549	Integrin-Targeted Hybrid Fluorescence Molecular Tomography/X-ray Computed Tomography for Imaging Tumor Progression and Early Response in Non-Small Cell Lung Cancer. <i>Neoplasia</i> , <b>2017</b> , 19, 8-16	6.4	11
548	In Vivo PET Imaging of the Cancer Integrin $\alpha_5\beta_1$ Using Ga-Labeled Cyclic RGD Nonapeptides. <i>Journal of Nuclear Medicine</i> , <b>2017</b> , 58, 671-677	8.9	37
547	Overcoming the Lack of Oral Availability of Cyclic Hexapeptides: Design of a Selective and Orally Available Ligand for the Integrin $\alpha_5\beta_1$ . <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 16405-16409	16.4	24
546	Lösung des Problems mangelnder oraler Verfügbarkeit cyclischer Hexapeptide: Entwicklung eines selektiven, oral verfügbaren Liganden für das Integrin $\alpha_5\beta_1$ . <i>Angewandte Chemie</i> , <b>2017</b> , 129, 16624-16629	3.6	5
545	Highly Ordered Gold Nanopatterned Indium Tin Oxide Electrodes for Simultaneous Optical and Electrochemical Probing Cell Interactions. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 10054-10062	7.8	9
544	Towards the cell-instructive bactericidal substrate: exploring the combination of nanotopographical features and integrin selective synthetic ligands. <i>Scientific Reports</i> , <b>2017</b> , 7, 16363	4.9	25
543	Exploring the Role of RGD-Recognizing Integrins in Cancer. <i>Cancers</i> , <b>2017</b> , 9,	6.6	218
542	Integrin $\alpha_5\beta_1$ and p53 convergent pathways in the control of anti-apoptotic proteins PEA-15 and survivin in high-grade glioma. <i>Cell Death and Differentiation</i> , <b>2016</b> , 23, 640-53	12.7	40
541	Rational Design of Cyclic Peptide Inhibitors of U2AF Homology Motif (UHM) Domains To Modulate Pre-mRNA Splicing. <i>Journal of Medicinal Chemistry</i> , <b>2016</b> , 59, 10190-10197	8.3	18
540	Stable Peptides Instead of Stapled Peptides: Highly Potent $\alpha_5\beta_1$ -Selective Integrin Ligands. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 1535-9	16.4	49
539	Kleine Ursache, große Wirkung: Modifikation der Guanidiniumgruppe im RGD-Motiv reguliert die Integrinsubtype-selektivität. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 1564-1568	3.6	7
538	Small Cause, Great Impact: Modification of the Guanidine Group in the RGD Motif Controls Integrin Subtype Selectivity. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 1540-3	16.4	21
537	The influence of different metal-chelate conjugates of pentixafor on the CXCR4 affinity. <i>EJNMMI Research</i> , <b>2016</b> , 6, 36	3.6	22
536	Tuning Mesenchymal Stem Cell Response onto Titanium-Niobium-Hafnium Alloy by Recombinant Fibronectin Fragments. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 2517-25	9.5	26
535	Complementary, Selective PET Imaging of Integrin Subtypes $\alpha_5\beta_1$ and $\alpha_v\beta_3$ Using $^{68}\text{Ga}$ -Aquibepripin and $^{68}\text{Ga}$ -Avebetrin. <i>Journal of Nuclear Medicine</i> , <b>2016</b> , 57, 460-6	8.9	27

534	Selective binding and lateral clustering of $\alpha 5 \beta 1$ and $\alpha 5 \beta 3$ integrins: Unraveling the spatial requirements for cell spreading and focal adhesion assembly. <i>Cell Adhesion and Migration</i> , <b>2016</b> , 10, 505-515	3.2	31
533	Synthesis of Binary Nanopatterns on Hydrogels for Initiating Cellular Responses. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 1806-1815	9.6	28
532	In vivo biokinetic and metabolic characterization of the $^{67}\text{Ga}$ -labelled $\alpha 5 \beta 1$ -selective peptidomimetic FR366. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2016</b> , 43, 953-963	8.8	18
531	Non-invasive assessment of inter-and inpatient variability of integrin expression in metastasized prostate cancer by PET. <i>Oncotarget</i> , <b>2016</b> , 7, 28151-9	3.3	13
530	$\alpha 5 \beta 1$ - or $\alpha 5 \beta 3$ -Integrin-Selective Peptidomimetics for Surface Coating. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 7048-67	16.4	76
529	$\alpha 5 \beta 1$ - oder $\alpha 5 \beta 3$ -Integrin-selektive Peptidmimetika für die Oberflächenbeschichtung. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 7162-7183	3.6	14
528	Stabile Peptide statt gestapelte Peptide – hochaffine $\alpha 5 \beta 1$ -selektive Integrinliganden. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 1559-1563	3.6	11
527	Substrate engagement of integrins $\alpha 5 \beta 1$ and $\alpha 5 \beta 3$ is necessary, but not sufficient, for high directional persistence in migration on fibronectin. <i>Scientific Reports</i> , <b>2016</b> , 6, 23258	4.9	41
526	Variation of Specific Activities of $^{68}\text{Ga}$ -Aquibeptrin and $^{68}\text{Ga}$ -Avebetrin Enables Selective PET Imaging of Different Expression Levels of Integrins $\alpha 5 \beta 1$ and $\alpha 5 \beta 3$ . <i>Journal of Nuclear Medicine</i> , <b>2016</b> , 57, 1618-1624	8.9	21
525	Systematic Backbone Conformational Constraints on a Cyclic Melanotropin Ligand Leads to Highly Selective Ligands for Multiple Melanocortin Receptors. <i>Journal of Medicinal Chemistry</i> , <b>2015</b> , 58, 6359-67	8.3	11
524	Minimal synthetic cells to study integrin-mediated adhesion. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 12472-8	16.4	26
523	Bioactive compounds immobilized on Ti and TiNbHF: AFM-based investigations of biofunctionalization efficiency and cell adhesion. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2015</b> , 136, 704-11	11	11
522	Hsp90 regulates the dynamics of its cochaperone Sti1 and the transfer of Hsp70 between modules. <i>Nature Communications</i> , <b>2015</b> , 6, 6655	17.4	66
521	Segregation versus colocalization: orthogonally functionalized binary micropatterned substrates regulate the molecular distribution in focal adhesions. <i>Advanced Materials</i> , <b>2015</b> , 27, 3737-47	24	31
520	Enantiomeric cyclic peptides with different Caco-2 permeability suggest carrier-mediated transport. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 8023-7	4.8	34
519	cis-Peptide Bonds: A Key for Intestinal Permeability of Peptides? . <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 15148-52	4.8	26
518	Disclosing the CXCR4 expression in lymphoproliferative diseases by targeted molecular imaging. <i>Theranostics</i> , <b>2015</b> , 5, 618-30	12.1	135
517	Mimicking bone extracellular matrix: integrin-binding peptidomimetics enhance osteoblast-like cells adhesion, proliferation, and differentiation on titanium. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2015</b> , 128, 191-200	6	66

516	Caveolin-1-negative head and neck squamous cell carcinoma primary tumors display increased epithelial to mesenchymal transition and prometastatic properties. <i>Oncotarget</i> , <b>2015</b> , 6, 41884-901	3.3	22
515	Interface Immobilization Chemistry of RGD-based Peptides Regulates Integrin Mediated Cell Adhesion. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 943-956	15.6	53
514	PET/CT imaging of integrin $\alpha_5\beta_1$ expression in human carotid atherosclerosis. <i>JACC: Cardiovascular Imaging</i> , <b>2014</b> , 7, 178-87	8.4	116
513	Investigation of early cell-surface interactions of human mesenchymal stem cells on nanopatterned E-type titanium-niobium alloy surfaces. <i>Interface Focus</i> , <b>2014</b> , 4, 20130046	3.9	16
512	Pharmacophoric modifications lead to superpotent $\alpha_5\beta_1$ integrin ligands with suppressed $\beta_1$ activity. <i>Journal of Medicinal Chemistry</i> , <b>2014</b> , 57, 3410-7	8.3	32
511	Protein folding by interaction. <i>Structure</i> , <b>2014</b> , 22, 936-7	5.2	1
510	Cytoplasmic salt bridge formation in integrin $\alpha_5\beta_1$ stabilizes its inactive state affecting integrin-mediated cell biological effects. <i>Cellular Signalling</i> , <b>2014</b> , 26, 2493-503	4.9	12
509	The cyclic cystine ladder of theta-defensins as a stable, bifunctional scaffold: A proof-of-concept study using the integrin-binding RGD motif. <i>ChemBioChem</i> , <b>2014</b> , 15, 451-9	3.8	37
508	Rational improvement of the affinity and selectivity of integrin binding of grafted lasso peptides. <i>Journal of Medicinal Chemistry</i> , <b>2014</b> , 57, 5829-34	8.3	54
507	Benefits of NOPO as chelator in gallium-68 peptides, exemplified by preclinical characterization of (68)Ga-NOPO-c(RGDfK). <i>Molecular Pharmaceutics</i> , <b>2014</b> , 11, 1687-95	5.6	42
506	Receptor-bound conformation of cilengitide better represented by its solution-state structure than the solid-state structure. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 14201-6	4.8	17
505	The integrin ligand c(RGDf(NMe)Nal) reduces neointimal hyperplasia in a polymer-free drug-eluting stent system. <i>ChemMedChem</i> , <b>2014</b> , 9, 1413-8	3.7	6
504	Single cell tracking assay reveals an opposite effect of selective small non-peptidic $\beta_1$ or $\alpha_5\beta_1$ integrin antagonists in U87MG glioma cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2014</b> , 1840, 2978-87	4	20
503	Behavior of primary human osteoblasts on trimmed and sandblasted Ti6Al4V surfaces functionalized with integrin $\alpha_5\beta_1$ -selective cyclic RGD peptides. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2013</b> , 101, 87-97	5.4	51
502	Integrin modulators: a patent review. <i>Expert Opinion on Therapeutic Patents</i> , <b>2013</b> , 23, 1273-95	6.8	58
501	The regulatory domain stabilizes the p53 tetramer by intersubunit contacts with the DNA binding domain. <i>Journal of Molecular Biology</i> , <b>2013</b> , 425, 144-55	6.5	18
500	Orthogonally protected artificial amino acid as tripod ligand for automated peptide synthesis and labeling with [(99m)Tc(OH(2))(3)(CO)(3)](+). <i>Bioconjugate Chemistry</i> , <b>2013</b> , 24, 26-35	6.3	12
499	N-Methylierung von Peptiden und Proteinen: ein wichtiges Element für die Regulation biologischer Funktionen. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 268-283	3.6	60

498	Funktionalisierung $\alpha 5 \beta 1$ - oder $\alpha 5 \beta 1$ -selektiver Integrinantagonisten für die Oberflächenbeschichtung: ein Hilfsmittel zur Unterscheidung von Integrinsubtypen in vitro. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 1612-1616	3.6	16
497	N-methylation of peptides and proteins: an important element for modulating biological functions. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 254-69	16.4	296
496	Functionalizing $\alpha 5 \beta 1$ - or $\alpha 5 \beta 1$ -selective integrin antagonists for surface coating: a method to discriminate integrin subtypes in vitro. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 1572-5	16.4	70
495	The glycoporphin A transmembrane sequence within integrin $\alpha 5 \beta 1$ creates a non-signaling integrin with low basal affinity that is strongly adhesive under force. <i>Journal of Molecular Biology</i> , <b>2013</b> , 425, 2988-3006	6.5	21
494	Peptidic Inhibitors of Protein-Protein Interactions for Cell Adhesion Receptors: RGD Peptides and Beyond <b>2013</b> , 257-290		
493	Biselectivity of isoDGR peptides for fibronectin binding integrin subtypes $\alpha 5 \beta 1$ and $\alpha 5 \beta 3$ : conformational control through flanking amino acids. <i>Journal of Medicinal Chemistry</i> , <b>2013</b> , 56, 1509-19	8.3	61
492	A cyclen-based tetraphosphinate chelator for the preparation of radiolabeled tetrameric bioconjugates. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 7748-57	4.8	32
491	A molecular toolkit for the functionalization of titanium-based biomaterials that selectively control integrin-mediated cell adhesion. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 9218-23	4.8	48
490	Röntgenbild: Selektive Bildgebung der angiogenetisch relevanten Integrine $\alpha 5 \beta 1$ und $\alpha 5 \beta 3$ (Angew. Chem. 44/2013). <i>Angewandte Chemie</i> , <b>2013</b> , 125, 11882-11882	3.6	
489	FOSL1 controls the assembly of endothelial cells into capillary tubes by direct repression of $\alpha 5 \beta 1$ and $\beta 1$ integrin transcription. <i>Molecular and Cellular Biology</i> , <b>2013</b> , 33, 1198-209	4.8	34
488	Selective imaging of the angiogenic relevant integrins $\alpha 5 \beta 1$ and $\alpha 5 \beta 3$ . <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 11656-9	16.4	41
487	Hydrogel micropillars with integrin selective peptidomimetic functionalized nanopatterned tops: a new tool for the measurement of cell traction forces transmitted through $\alpha 5 \beta 1$ - or $\alpha 5 \beta 3$ -integrins. <i>Advanced Materials</i> , <b>2013</b> , 25, 5869-74	24	49
486	Selektive Bildgebung der angiogenetisch relevanten Integrine $\alpha 5 \beta 1$ und $\alpha 5 \beta 3$ . <i>Angewandte Chemie</i> , <b>2013</b> , 125, 11870-11873	3.6	10
485	Tumor Targeting via Integrin Ligands. <i>Frontiers in Oncology</i> , <b>2013</b> , 3, 222	5.3	164
484	Cell adhesion and proliferation on RGD-modified recombinant spider silk proteins. <i>Biomaterials</i> , <b>2012</b> , 33, 6650-9	15.6	157
483	Synthesis and conformational analysis of efrapeptins. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 478-87	4.8	25
482	Polymer-free immobilization of a cyclic RGD peptide on a nitinol stent promotes integrin-dependent endothelial coverage of strut surfaces. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2012</b> , 100, 637-45	3.5	15
481	The architecture of functional modules in the Hsp90 co-chaperone Sti1/Hop. <i>EMBO Journal</i> , <b>2012</b> , 31, 1506-17	13	161

480	Solid-phase-assisted synthesis of targeting peptide-PEG-oligo(ethane amino)amides for receptor-mediated gene delivery. <i>Organic and Biomolecular Chemistry</i> , <b>2012</b> , 10, 3258-68	3.9	63
479	Guiding plant virus particles to integrin-displaying cells. <i>Nanoscale</i> , <b>2012</b> , 4, 3698-705	7.7	45
478	<sup>68</sup> Ga-NODAGA-RGD is a suitable substitute for (18)F-Galacto-RGD and can be produced with high specific activity in a cGMP/GRP compliant automated process. <i>Nuclear Medicine and Biology</i> , <b>2012</b> , 39, 777-84	2.1	82
477	Synthesis of N-methylated cyclic peptides. <i>Nature Protocols</i> , <b>2012</b> , 7, 432-44	18.8	96
476	Cyclic aza-peptide integrin ligand synthesis and biological activity. <i>Journal of Organic Chemistry</i> , <b>2012</b> , 77, 5271-8	4.2	35
475	Intestinal permeability of cyclic peptides: common key backbone motifs identified. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 12125-33	16.4	153
474	Tailoring of integrin ligands: probing the charge capability of the metal ion-dependent adhesion site. <i>Journal of Medicinal Chemistry</i> , <b>2012</b> , 55, 871-82	8.3	11
473	Erhöhte CXCR4-Affinität und Anti-HIV-Aktivität eines Peptoids durch Konformationsfixierung. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 8234-8237	3.6	5
472	A conformationally frozen peptoid boosts CXCR4 affinity and anti-HIV activity. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 8110-3	16.4	42
471	Radiolabelled RGD peptides for imaging and therapy. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2012</b> , 39 Suppl 1, S126-38	8.8	180
470	The effect of multiple N-methylation on intestinal permeability of cyclic hexapeptides. <i>Molecular Pharmaceutics</i> , <b>2011</b> , 8, 479-87	5.6	109
469	N-Methylated sst2 Selective Somatostatin Cyclic Peptide Analogue as a Potent Candidate for Treating Neurogenic Inflammation. <i>ACS Medicinal Chemistry Letters</i> , <b>2011</b> , 2, 509-14	4.3	16
468	Structural analysis of the interaction between Hsp90 and the tumor suppressor protein p53. <i>Nature Structural and Molecular Biology</i> , <b>2011</b> , 18, 1086-93	17.6	97
467	Design, synthesis, and functionalization of dimeric peptides targeting chemokine receptor CXCR4. <i>Journal of Medicinal Chemistry</i> , <b>2011</b> , 54, 7648-62	8.3	76
466	PET imaging of CXCR4 receptors in cancer by a new optimized ligand. <i>ChemMedChem</i> , <b>2011</b> , 6, 1789-91	3.7	120
465	Erhöhung der $\beta\beta$ -Selektivität des Angiogenese hemmenden Wirkstoffs Cilengitid durch N-Methylierung. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 9668-9672	3.6	11
464	pH-dependent dimerization and salt-dependent stabilization of the N-terminal domain of spider dragline silk—implications for fiber formation. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 310-3	16.4	107
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