

Roland Brock

List of Publications by Year in descending order

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157
papers

7,912
citations

71004

43
h-index

62345

84
g-index

168
all docs

168
docs citations

168
times ranked

12170
citing authors

#	ARTICLE	IF	CITATIONS
1	The potential of RNA-based therapy for kidney diseases. <i>Pediatric Nephrology</i> , 2023, 38, 327-344.	0.9	14
2	Imaging of CPP Delivery Mechanisms of Oligonucleotides. <i>Methods in Molecular Biology</i> , 2022, 2383, 197-210.	0.4	2
3	Delivery of antisense oligonucleotides for spliceâ€correction of androgen receptor preâ€mRNA in castrationâ€resistant prostate cancer models using cellâ€penetrating peptides. <i>Prostate</i> , 2022, 82, 657-665.	1.2	7
4	Generation of Protein-Phosphorodiamidate Morpholino Oligomer Conjugates for Efficient Cellular Delivery via Anthrax Protective Antigen. <i>Methods in Molecular Biology</i> , 2022, 2434, 129-141.	0.4	0
5	Association of MMP-2 genes variants with diabetic retinopathy in Tunisian population with type 2 diabetes. <i>Journal of Diabetes and Its Complications</i> , 2022, 36, 108182.	1.2	3
6	Designing biomaterials for the delivery of RNA therapeutics to stimulate bone healing. <i>Materials Today Bio</i> , 2021, 10, 100105.	2.6	6
7	A Computational Investigation of In Vivo Cytosolic Protein Delivery for Cancer Therapy. <i>Pharmaceutics</i> , 2021, 13, 562.	2.0	5
8	Protein Expression Correlates Linearly with mRNA Dose over Up to Five Orders of Magnitude In Vitro and In Vivo. <i>Biomedicines</i> , 2021, 9, 511.	1.4	7
9	Association of matrix metalloproteinase-2 gene polymorphisms with susceptibility to type 2 diabetes: A case control study. <i>Journal of Diabetes and Its Complications</i> , 2021, 35, 107908.	1.2	7
10	CPPs to the Test: Effects on Binding, Uptake and Biodistribution of a Tumor Targeting Nanobody. <i>Pharmaceutics</i> , 2021, 14, 602.	1.7	13
11	Assessing the use of tumor-specific DARPIn-toxin fusion proteins for exâ€vivo purging of cancer metastases from human ovarian cortex before autotransplantation. <i>F&S Science</i> , 2021, 2, 330-344.	0.5	2
12	Constrained peptides mimic a viral suppressor of RNA silencing. <i>Nucleic Acids Research</i> , 2021, 49, 12622-12633.	6.5	10
13	Mimicking the Biology of Engineered Protein and mRNA Nanoparticle Delivery Using a Versatile Microfluidic Platform. <i>Pharmaceutics</i> , 2021, 13, 1944.	2.0	4
14	A comparison of acyl-moieties for noncovalent functionalization of PLGA and PEG-PLGA nanoparticles with a cell-penetrating peptide. <i>RSC Advances</i> , 2021, 11, 36116-36124.	1.7	5
15	Modulation of Orai1 by cationic peptides triggers their direct cytosolic uptake. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020, 1862, 183155.	1.4	6
16	Kidney-targeted therapies: A quantitative perspective. <i>Journal of Controlled Release</i> , 2020, 328, 762-775.	4.8	15
17	The impact of circulation in a heartâ€lung machine on function and survival characteristics of red blood cells. <i>Artificial Organs</i> , 2020, 44, 892-899.	1.0	6
18	The Relationship Between Aggregation and Deformability of Red Blood Cells in Health and Disease. <i>Frontiers in Physiology</i> , 2020, 11, 288.	1.3	17

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19	EpCAM-Binding DARPins for Targeted Photodynamic Therapy of Ovarian Cancer. <i>Cancers</i> , 2020, 12, 1762.	1.7	17
20	Vesiculation of Red Blood Cells in the Blood Bank: A Multi-Omics Approach towards Identification of Causes and Consequences. <i>Proteomes</i> , 2020, 8, 6.	1.7	12
21	Advanced Fluorescence Imaging to Distinguish Between Intracellular Fractions of Antisense Oligonucleotides. <i>Methods in Molecular Biology</i> , 2020, 2063, 119-138.	0.4	3
22	EGF Receptor Stalls upon Activation as Evidenced by Complementary Fluorescence Correlation Spectroscopy and Fluorescence Recovery after Photobleaching Measurements. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3370.	1.8	12
23	The nuclear concentration required for antisense oligonucleotide activity in myotonic dystrophy cells. <i>FASEB Journal</i> , 2019, 33, 11314-11325.	0.2	14
24	Red Blood Cell Aging as a Homeostatic Response to Exercise-Induced Stress. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4827.	1.3	3
25	Red Blood Cell Homeostasis and Altered Vesicle Formation in Patients With Paroxysmal Nocturnal Hemoglobinuria. <i>Frontiers in Physiology</i> , 2019, 10, 578.	1.3	9
26	Peptide-mediated delivery of therapeutic mRNA in ovarian cancer. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 141, 180-190.	2.0	62
27	Super-resolution Imaging of Structure, Molecular Composition, and Stability of Single Oligonucleotide Polyplexes. <i>Nano Letters</i> , 2019, 19, 2784-2792.	4.5	27
28	Octa-arginine boosts the penetration of elastin-like polypeptide nanoparticles in 3D cancer models. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 137, 175-184.	2.0	23
29	The effect of subcellular localization on the efficiency of EGFR-targeted VHH photosensitizer conjugates. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 124, 63-72.	2.0	32
30	Penetration in 3D tumor spheroids and explants: Adding a further dimension to the structure-activity relationship of cell-penetrating peptides. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 1342-1349.	1.4	26
31	Assisted delivery of antisense therapeutics in animal models of heritable neurodegenerative and neuromuscular disorders: a systematic review and meta-analysis. <i>Scientific Reports</i> , 2018, 8, 4181.	1.6	9
32	An opportunistic route to success: Towards a change of paradigm to fully exploit the potential of cell-penetrating peptides. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 2780-2787.	1.4	21
33	Biophysical Characterization of CD6 α TCR/CD3 Interplay in T Cells. <i>Frontiers in Immunology</i> , 2018, 9, 2333.	2.2	12
34	siRNA in ovarian cancer – Delivery strategies and targets for therapy. <i>Journal of Controlled Release</i> , 2018, 283, 45-58.	4.8	40
35	Biodegradable Synthetic Organelles Demonstrate ROS Shielding in Human-Complex-I-Deficient Fibroblasts. <i>ACS Central Science</i> , 2018, 4, 917-928.	5.3	63
36	Modeling the Accumulation of Degradable Polymer Drug Carriers in the Brain. <i>ChemMedChem</i> , 2018, 13, 1308-1310.	1.6	2

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37	Mimicking Tumors: Toward More Predictive <i>In Vitro</i> Models for Peptide- and Protein-Conjugated Drugs. <i>Bioconjugate Chemistry</i> , 2017, 28, 846-856.	1.8	39
38	Virus-Like Particles of mRNA with Artificial Minimal Coat Proteins: Particle Formation, Stability, and Transfection Efficiency. <i>Nucleic Acid Therapeutics</i> , 2017, 27, 159-167.	2.0	28
39	Membrane permeation of arginine-rich cell-penetrating peptides independent of transmembrane potential as a function of lipid composition and membrane fluidity. <i>Journal of Controlled Release</i> , 2017, 256, 68-78.	4.8	58
40	A critical assessment of the synthesis and biological activity of p53/human double minute 2-stapled peptide inhibitors. <i>British Journal of Pharmacology</i> , 2017, 174, 2613-2622.	2.7	17
41	Anti-microRNA targeting using peptide-based nanocomplexes to inhibit differentiation of human pancreatic stellate cells. <i>Nanomedicine</i> , 2017, 12, 1369-1384.	1.7	31
42	A Conjugate of an Anti-Epidermal Growth Factor Receptor (EGFR) VHH and a Cell-Penetrating Peptide Drives Receptor Internalization and Blocks EGFR Activation. <i>ChemBioChem</i> , 2017, 18, 2390-2394.	1.3	22
43	Lactam-Stapled Cell-Penetrating Peptides: Cell Uptake and Membrane Binding Properties. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 8071-8082.	2.9	38
44	Frapbot: An open-source application for FRAP data. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2017, 91, 810-814.	1.1	15
45	Umbilical cord blood CD34 ⁺ progenitor-derived NK cells efficiently kill ovarian cancer spheroids and intraperitoneal tumors in NOD/SCID/IL2Rg ^{-/-} mice. <i>Oncolmmunology</i> , 2017, 6, e1320630.	2.1	50
46	Identification of Short Hydrophobic Cell-Penetrating Peptides for Cytosolic Peptide Delivery by Rational Design. <i>Bioconjugate Chemistry</i> , 2017, 28, 382-389.	1.8	41
47	Linear Peptides in Intracellular Applications. <i>Current Medicinal Chemistry</i> , 2017, 24, 1862-1873.	1.2	9
48	Acetylcholinesterase provides new insights into red blood cell ageing in vivo and in vitro. <i>Blood Transfusion</i> , 2017, 15, 232-238.	0.3	27
49	Red Blood Cell Homeostasis: Pharmacological Interventions to Explore Biochemical, Morphological and Mechanical Properties. <i>Frontiers in Molecular Biosciences</i> , 2016, 3, 10.	1.6	20
50	A microarray-based approach to evaluate the functional significance of protein-binding motifs. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 3177-3184.	1.9	1
51	Inflammation-associated changes in lipid composition and the organization of the erythrocyte membrane. <i>BBA Clinical</i> , 2016, 5, 186-192.	4.1	49
52	Sevuparin binds to multiple adhesive ligands and reduces sickle red blood cell-induced vaso-occlusion. <i>British Journal of Haematology</i> , 2016, 175, 935-948.	1.2	38
53	Detecting Cytosolic Peptide Delivery with the GFP Complementation Assay in the Low Micromolar Range. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15105-15108.	7.2	38
54	A Peptide-Functionalized Polymer as a Minimal Scaffold Protein To Enhance Cluster Formation in Early T Cell Signal Transduction. <i>ChemBioChem</i> , 2015, 16, 602-610.	1.3	1

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55	Abnormal Red Cell Structure and Function in Neuroacanthocytosis. <i>PLoS ONE</i> , 2015, 10, e0125580.	1.1	27
56	Multifunctional poly(methacrylate) polyplex libraries: A platform for gene delivery inspired by nature. <i>Journal of Controlled Release</i> , 2015, 209, 1-11.	4.8	19
57	Stereoselective Uptake of Cell-Penetrating Peptides is Conserved in Antisense Oligonucleotide Polyplexes. <i>Small</i> , 2015, 11, 1414-1417.	5.2	12
58	Methods to Study the Role of the Glycocalyx in the Uptake of Cell-Penetrating Peptides. <i>Methods in Molecular Biology</i> , 2015, 1324, 123-131.	0.4	2
59	Structure Analysis and Conformational Transitions of the Cell Penetrating Peptide Transportan 10 in the Membrane-Bound State. <i>PLoS ONE</i> , 2014, 9, e99653.	1.1	46
60	Enhanced Cellular Uptake of Albumin-Based Lyophilisomes when Functionalized with Cell-Penetrating Peptide TAT in HeLa Cells. <i>PLoS ONE</i> , 2014, 9, e110813.	1.1	17
61	Alterations in Red Blood Cell Deformability during Storage: A Microfluidic Approach. <i>BioMed Research International</i> , 2014, 2014, 1-9.	0.9	45
62	Glycosaminoglycans in the cellular uptake of drug delivery vectors – Bystanders or active players?. <i>Journal of Controlled Release</i> , 2014, 180, 81-90.	4.8	58
63	The Uptake of Arginine-Rich Cell-Penetrating Peptides: Putting the Puzzle Together. <i>Bioconjugate Chemistry</i> , 2014, 25, 863-868.	1.8	197
64	Exploration of the Design Principles of a Cell-Penetrating Bicyclic Peptide Scaffold. <i>Bioconjugate Chemistry</i> , 2014, 25, 955-964.	1.8	35
65	Activation of cell-penetrating peptides by disulfide bridge formation of truncated precursors. <i>Chemical Communications</i> , 2014, 50, 415-417.	2.2	32
66	Design and self-assembly of simple coat proteins for artificial viruses. <i>Nature Nanotechnology</i> , 2014, 9, 698-702.	15.6	146
67	Multivalent presentation of the cell-penetrating peptide nona-arginine on a linear scaffold strongly increases its membrane-perturbing capacity. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 3097-3106.	1.4	17
68	Stabilization of Peptides for Intracellular Applications by Phosphoramidate-Linked Polyethylene Glycol Chains. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11920-11924.	7.2	37
69	The stoichiometry of peptide-heparan sulfate binding as a determinant of uptake efficiency of cell-penetrating peptides. <i>Cellular and Molecular Life Sciences</i> , 2013, 71, 2717-29.	2.4	44
70	Gateway to understanding microparticles: standardized isolation and identification of plasma membrane-derived vesicles. <i>Nanomedicine</i> , 2013, 8, 1657-1668.	1.7	44
71	Peptide microarrays to probe for competition for binding sites in a protein interaction network. <i>Journal of Proteomics</i> , 2013, 89, 71-80.	1.2	5
72	Molecular Parameters of siRNA-Cell Penetrating Peptide Nanocomplexes for Efficient Cellular Delivery. <i>ACS Nano</i> , 2013, 7, 3797-3807.	7.3	135

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73	Human erythrocytes as drug carriers: Loading efficiency and side effects of hypotonic dialysis, chlorpromazine treatment and fusion with liposomes. <i>Journal of Controlled Release</i> , 2013, 170, 343-351.	4.8	48
74	Cell surface clustering of heparan sulfate proteoglycans by amphipathic cell-penetrating peptides does not contribute to uptake. <i>Journal of Controlled Release</i> , 2013, 170, 83-91.	4.8	33
75	A Quantitative Assessment of Costimulation and Phosphatase Activity on Microclusters in Early T Cell Signaling. <i>PLoS ONE</i> , 2013, 8, e79277.	1.1	4
76	Functional consequences of sphingomyelinase-induced changes in erythrocyte membrane structure. <i>Cell Death and Disease</i> , 2012, 3, e410-e410.	2.7	76
77	Multivalent Design of Apoptosis-Inducing Bid-BH3 Peptide-Oligosaccharides Boosts the Intracellular Activity at Identical Overall Peptide Concentrations. <i>Chemistry - A European Journal</i> , 2012, 18, 16708-16715.	1.7	29
78	Inhibiting mitochondrial Complex I or Complex III differentially affects mitochondrial physiology. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, S55.	0.5	0
79	The Intracellular Pharmacokinetics of Terminally Capped Peptides. <i>Molecular Pharmaceutics</i> , 2012, 9, 1077-1086.	2.3	23
80	Construction of a Microstructured Collagen Membrane Mimicking the Papillary Dermis Architecture and Guiding Keratinocyte Morphology and Gene Expression. <i>Macromolecular Bioscience</i> , 2012, 12, 675-691.	2.1	25
81	Geometry sensing by dendritic cells dictates spatial organization and PGE2-induced dissolution of podosomes. <i>Cellular and Molecular Life Sciences</i> , 2012, 69, 1889-1901.	2.4	72
82	Red blood cell deformability during storage: towards functional proteomics and metabolomics in the Blood Bank. <i>Blood Transfusion</i> , 2012, 10 Suppl 2, s12-8.	0.3	42
83	Analyzing the Homeostasis of Signaling Proteins by a Combination of Western Blot and Fluorescence Correlation Spectroscopy. <i>Biophysical Journal</i> , 2011, 101, 2807-2815.	0.2	7
84	Biological responses towards cationic peptides and drug carriers. <i>Trends in Pharmacological Sciences</i> , 2011, 32, 116-124.	4.0	76
85	Preferential Uptake of L- versus D-Amino Acid Cell-Penetrating Peptides in a Cell Type-Dependent Manner. <i>Chemistry and Biology</i> , 2011, 18, 1000-1010.	6.2	126
86	Quantitative Glucose and ATP Sensing in Mammalian Cells. <i>Pharmaceutical Research</i> , 2011, 28, 2745-2757.	1.7	53
87	A Modular and Noncovalent Transduction System for Leucine-Zipper-Tagged Proteins. <i>ChemBioChem</i> , 2011, 12, 2294-2297.	1.3	11
88	Coupling to Polymeric Scaffolds Stabilizes Biofunctional Peptides for Intracellular Applications. <i>Molecular Pharmacology</i> , 2011, 79, 692-700.	1.0	16
89	Solute diffusion is hindered in the mitochondrial matrix. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 8657-8662.	3.3	69
90	Protein expression from exogenous mRNA: Uptake by receptor-mediated endocytosis and trafficking via the lysosomal pathway. <i>RNA Biology</i> , 2011, 8, 627-636.	1.5	114

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91	Measurements of the Intracellular Stability of CPPs. <i>Methods in Molecular Biology</i> , 2011, 683, 69-80.	0.4	10
92	Peptide microarrays for the profiling of cytotoxic T-lymphocyte activity using minimum numbers of cells. <i>Cancer Immunology, Immunotherapy</i> , 2010, 59, 1379-1387.	2.0	6
93	Cationic cell-penetrating peptides induce ceramide formation via acid sphingomyelinase: Implications for uptake. <i>Journal of Controlled Release</i> , 2010, 147, 171-179.	4.8	92
94	Detection and manipulation of mitochondrial reactive oxygen species in mammalian cells. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 1034-1044.	0.5	133
95	Cellular Integration of an Enzyme-Loaded Polymersome Nanoreactor. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7213-7216.	7.2	133
96	Simultaneous detection of intracellular target and off-target binding of small molecule cancer drugs at nanomolar concentrations. <i>British Journal of Pharmacology</i> , 2010, 160, 958-970.	2.7	20
97	A Doubly Labeled Penetratin Analogue as a Ratiometric Sensor for Intracellular Proteolytic Stability. <i>Bioconjugate Chemistry</i> , 2010, 21, 64-73.	1.8	14
98	A Cell-penetrating Peptide Derived from Human Lactoferrin with Conformation-dependent Uptake Efficiency. <i>Journal of Biological Chemistry</i> , 2009, 284, 36099-36108.	1.6	105
99	Natural Killer Cell Signal Integration Balances Synapse Symmetry and Migration. <i>PLoS Biology</i> , 2009, 7, e1000159.	2.6	81
100	Selectivity of Competitive Multivalent Interactions at Interfaces. <i>ChemBioChem</i> , 2009, 10, 1878-1887.	1.3	18
101	Diffusion-Driven Device for a High-Resolution Dose-Response Profiling of Combination Chemotherapy. <i>Analytical Chemistry</i> , 2009, 81, 5233-5240.	3.2	5
102	The in vitro biological activity of the HLA-DR-binding clinical IgG4 antibody 1D09C3 is a consequence of the disruption of cell aggregates and can be abrogated by Fab arm exchange. <i>Molecular Immunology</i> , 2009, 46, 3269-3277.	1.0	14
103	Stimulus Dependence of the Action of Small-Molecule Inhibitors in the CD3/CD28 Signalling Network. <i>ChemMedChem</i> , 2008, 3, 1404-1411.	1.6	1
104	HPMA as a Scaffold for the Modular Assembly of Functional Peptide Polymers by Native Chemical Ligation. <i>Bioconjugate Chemistry</i> , 2008, 19, 2081-2087.	1.8	19
105	Auxin transport inhibitors impair vesicle motility and actin cytoskeleton dynamics in diverse eukaryotes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 4489-4494.	3.3	239
106	A Network Analysis of Changes in Molecular Interactions in Cellular Signaling. <i>Molecular and Cellular Proteomics</i> , 2007, 6, 503-513.	2.5	15
107	A Fluorescence-Based Synthetic LPS Sensor. <i>Journal of the American Chemical Society</i> , 2007, 129, 554-561.	6.6	81
108	The activity of lipopeptide TLR2 agonists critically depends on the presence of solubilizers. <i>European Journal of Immunology</i> , 2007, 37, 3489-3498.	1.6	8

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109	A Comprehensive Model for the Cellular Uptake of Cationic Cell-penetrating Peptides. <i>Traffic</i> , 2007, 8, 848-866.	1.3	668
110	Multivalence and spot heterogeneity in microarray-based measurement of binding constants. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 2017-2025.	1.9	6
111	Lipolanthionine Peptides Act as Inhibitors of TLR2-Mediated IL-8 Secretion. Synthesis and Structure-Activity Relationships. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 1754-1765.	2.9	26
112	One-step analysis of protein complexes in microliters of cell lysate using indirect immunolabeling & fluorescence cross-correlation spectroscopy. <i>Nature Protocols</i> , 2006, 1, 223-229.	5.5	9
113	Diffusion along microfluidic channels. <i>Microelectronic Engineering</i> , 2006, 83, 1669-1672.	1.1	7
114	Structural variation of cationic lipids: Minimum requirement for improved oligonucleotide delivery into cells. <i>Journal of Controlled Release</i> , 2006, 110, 444-456.	4.8	23
115	A CD14 Domain with Lipopolysaccharide-Binding and -Neutralizing Activity. <i>ChemBioChem</i> , 2006, 7, 275-286.	1.3	12
116	A Targeted Protease Substrate for a Quantitative Determination of Protease Activities in the Endolysosomal Pathway. <i>ChemBioChem</i> , 2006, 7, 1428-1434.	1.3	34
117	TLR1- and TLR6-independent Recognition of Bacterial Lipopeptides. <i>Journal of Biological Chemistry</i> , 2006, 281, 9049-9057.	1.6	216
118	The Import Mechanism of Cationic Cell-Penetrating Peptides and Its Implications for the Delivery of Peptide Inhibitors of Signal Transduction. <i>Pharmacology & Toxicology</i> , 2006, , 161-182.	0.1	0
119	A postcolumn alkalinization procedure enhances the sensitivity of fluorescence detection of fluorescein-labeled substances in RP-HPLC. <i>Analytical Biochemistry</i> , 2005, 345, 161-163.	1.1	2
120	One-step analysis of protein complexes in microliters of cell lysate. <i>Nature Methods</i> , 2005, 2, 833-835.	9.0	23
121	Lipopeptide structure determines TLR2 dependent cell activation level. <i>FEBS Journal</i> , 2005, 272, 6354-6364.	2.2	96
122	Toll-like receptor 6-independent signaling by diacylated lipopeptides. <i>European Journal of Immunology</i> , 2005, 35, 282-289.	1.6	179
123	Reversible Cross-Linking of Hyperbranched Polymers: A Strategy for the Combinatorial Decoration of Multivalent Scaffolds. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 1560-1563.	7.2	21
124	Chemical Inhibitors when Timing Is Critical: A Pharmacological Concept for the Maturation of T Cell Contacts. <i>ChemBioChem</i> , 2005, 6, 152-161.	1.3	8
125	Break on through to the Other Side-Biophysics and Cell Biology Shed Light on Cell-Penetrating Peptides. <i>ChemBioChem</i> , 2005, 6, 2126-2142.	1.3	232
126	Label-free characterization of cell adhesion using reflectometric interference spectroscopy (RIfS). <i>Analytical and Bioanalytical Chemistry</i> , 2005, 384, 407-413.	1.9	37

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127	Peptide microarrays for the detection of molecular interactions in cellular signal transduction. <i>Proteomics</i> , 2005, 5, 2010-2017.	1.3	25
128	Fluorescence Correlation Spectroscopy in Cell Biology. , 2005, , 245-262.		0
129	Endocytosis and Cationic Cell-Penetrating Peptides - A Merger of Concepts and Methods. <i>Current Pharmaceutical Design</i> , 2005, 11, 3613-3628.	0.9	52
130	Cationic cell-penetrating peptides interfere with TNF signalling by induction of TNF receptor internalization. <i>Journal of Cell Science</i> , 2005, 118, 3339-3351.	1.2	92
131	Autophagy promotes MHC class II presentation of peptides from intracellular source proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 7922-7927.	3.3	573
132	High-Affinity Adaptors for Switchable Recognition of Histidine-Tagged Proteins. <i>Journal of the American Chemical Society</i> , 2005, 127, 10205-10215.	6.6	370
133	A Stepwise Dissection of the Intracellular Fate of Cationic Cell-penetrating Peptides. <i>Journal of Biological Chemistry</i> , 2004, 279, 12625-12635.	1.6	243
134	Chemolabile cellular microarrays for screening small molecules and peptides. <i>Molecular Diversity</i> , 2004, 8, 311-320.	2.1	13
135	Structure Property Analysis of Pentamethine Indocyanine Dyes: Identification of a New Dye for Life Science Applications. <i>Bioconjugate Chemistry</i> , 2004, 15, 70-78.	1.8	53
136	Synthetic lipopeptide adjuvants and Toll-like receptor 2 structure-activity relationships. <i>Vaccine</i> , 2004, 22, 2494-2499.	1.7	125
137	THE INTERACTION OF BACTERIAL LIPOPEPTIDES WITH TOLL-LIKE RECEPTOR 2 HETERODIMERS. <i>Shock</i> , 2004, 21, 9.	1.0	0
138	Quantitative image analysis of cellular protein translocation induced by magnetic microspheres: Application to the EGF Receptor. <i>Cytometry</i> , 2003, 52A, 1-11.	1.8	9
139	Modulation of neuronal activity by the endogenous pentapeptide QYNAD. <i>European Journal of Neuroscience</i> , 2003, 18, 2697-2706.	1.2	10
140	Extending the Applicability of Carboxyfluorescein in Solid-Phase Synthesis. <i>Bioconjugate Chemistry</i> , 2003, 14, 653-660.	1.8	99
141	Determination of Binding Constants on Microarrays with Confocal Fluorescence Detection. <i>Analytical Chemistry</i> , 2003, 75, 4793-4800.	3.2	15
142	Detection of antibody peptide interaction using microcantilevers as surface stress sensors. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2003, 21, 1472.	1.6	19
143	Intracellular Concentration Measurements in Adherent Cells: A Comparison of Import Efficiencies of Cell-Permeable Peptides. <i>Biological Chemistry</i> , 2002, 383, 291-9.	1.2	33
144	A quantitative validation of fluorophore-labelled cell-permeable peptide conjugates: fluorophore and cargo dependence of import. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2002, 1564, 365-374.	1.4	115

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145	Lipoconjugates for the Noncovalent Generation of Microarrays in Biochemical and Cellular Assays. <i>ChemBioChem</i> , 2002, 3, 1183-1191.	1.3	10
146	Spatially Resolved Single Bead Analysis: Homogeneity, Diffusion, and Adsorption in Cross-Linked Polystyrene. <i>Chemistry - A European Journal</i> , 2001, 7, 3884-3889.	1.7	42
147	Fluorescence Correlation Microscopy (FCM): Fluorescence Correlation Spectroscopy (FCS) in Cell Biology. <i>Springer Series in Chemical Physics</i> , 2001, , 132-161.	0.2	6
148	Heterogeneity of signal transduction at the subcellular level: microsphere-based focal EGF receptor activation and stimulation of Shc translocation. <i>Journal of Cell Science</i> , 2001, 114, 2437-2447.	1.2	23
149	Heterogeneity of signal transduction at the subcellular level: microsphere-based focal EGF receptor activation and stimulation of Shc translocation. <i>Journal of Cell Science</i> , 2001, 114, 2437-47.	1.2	18
150	Rapid characterization of green fluorescent protein fusion proteins on the molecular and cellular level by fluorescence correlation microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 10123-10128.	3.3	125
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