Roland H Stauber

List of Publications by Year
in descending order

109 papers	8,216 citations	66343 42 h-index	46799 89 g-index
114 all docs	114 docs citations	114 times ranked	12051 citing authors

#	Article	IF	Citations
1	Identification of cytokeratin24 as a tumor suppressor for the management of head and neck cancer. Biological Chemistry, 2022, 403, 869-890.	2.5	9
2	Molecularly engineered tumor acidity-responsive plant toxin gelonin for safe and efficient cancer therapy. Bioactive Materials, 2022, 18, 42-55.	15.6	7
3	The Taspase1/Myosin1f-axis regulates filopodia dynamics. IScience, 2022, 25, 104355.	4.1	4
4	Impact of Secretion-Active Osteoblast-Specific Factor 2 in Promoting Progression and Metastasis of Head and Neck Cancer. Cancers, 2022, 14, 2337.	3.7	4
5	TNF-Î±-Inhibition Improves the Biocompatibility of Porous Polyethylene Implants In Vivo. Tissue Engineering and Regenerative Medicine, 2021, 18, 297-303.	3.7	3
6	TheÂDNA methylation landscape of <i>PD-1</i> (<i>PDCD1</i>) and adjacent lncRNA <i>AC131097.3</i> in head and neck squamous cell carcinoma. Epigenomics, 2021, 13, 113-127.	2.1	9
7	Colonization with Altered Schaedler Flora Impacts Leukocyte Adhesion in Mesenteric Ischemia-Reperfusion Injury. Microorganisms, 2021, 9, 1601.	3.6	11
8	Profiling Cisplatin Resistance in Head and Neck Cancer: A Critical Role of the VRAC Ion Channel for Chemoresistance. Cancers, 2021, 13, 4831.	3.7	13
9	pH low insertion peptide (pHLIP)-decorated polymeric nanovehicle for efficient and pH-responsive siRNA translocation. Materials and Design, 2021, 212, 110197.	7.0	5
10	Targeting Cancer Chemotherapy Resistance by Precision Medicine-Driven Nanoparticle-Formulated Cisplatin. ACS Nano, 2021, 15, 18541-18556.	14.6	17
11	IsoMAGâ€"An Automated System for the Immunomagnetic Isolation of Squamous Cell Carcinoma-Derived Circulating Tumor Cells. Diagnostics, 2021, 11, 2040.	2.6	7
12	Growth Factor Receptor Expression in Oropharyngeal Squamous Cell Cancer: Her1â€"4 and c-Met in Conjunction with the Clinical Features and Human Papillomavirus (p16) Status. Cancers, 2020, 12, 3358.	3.7	5
13	Investigating the Vascular Toxicity Outcomes of the Irreversible Proteasome Inhibitor Carfilzomib. International Journal of Molecular Sciences, 2020, 21, 5185.	4.1	12
14	Mechanisms of nanotoxicity â€" biomolecule coronas protect pathological fungi against nanoparticle-based eradication. Nanotoxicology, 2020, 14, 1157-1174.	3.0	8
15	Boosting nanotoxicity to combat multidrug-resistant bacteria in pathophysiological environments. Nanoscale Advances, 2020, 2, 5428-5440.	4.6	9
16	Î±-Linolenic Acid-Rich Diet Influences Microbiota Composition and Villus Morphology of the Mouse Small Intestine. Nutrients, 2020, 12, 732.	4.1	21
17	The other side of the corona: nanoparticles inhibit the protease taspase1 in a size-dependent manner. Nanoscale, 2020, 12, 19093-19103.	5.6	7
18	Nano Meets Micro-Translational Nanotechnology in Medicine: Nano-Based Applications for Early Tumor Detection and Therapy. Nanomaterials, 2020, 10, 383.	4.1	30

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19	Integration of Polylactide into Polyethylenimine Facilitates the Safe and Effective Intracellular siRNA Delivery. Polymers, 2020, 12, 445.	4.5	7
20	Early Alterations of Endothelial Nitric Oxide Synthase Expression Patterns in the Guinea Pig Cochlea After Noise Exposure. Journal of Histochemistry and Cytochemistry, 2019, 67, 845-855.	2.5	5
21	Is small smarter? Nanomaterial-based detection and elimination of circulating tumor cells: current knowledge and perspectives . International Journal of Nanomedicine, 2019, Volume 14, 4187-4209.	6.7	22
22	Nanomedical detection and downstream analysis of circulating tumor cells in head and neck patients. Biological Chemistry, 2019, 400, 1465-1479.	2.5	10
23	Resistance to Nano-Based Antifungals Is Mediated by Biomolecule Coronas. ACS Applied Materials & Interfaces, 2019, 11, 104-114.	8.0	8
24	Biomolecule-corona formation confers resistance of bacteria to nanoparticle-induced killing: Implications for the design of improved nanoantibiotics. Biomaterials, 2019, 192, 551-559.	11.4	48
25	REMOVED: Breaking resistance to nanoantibiotics by overriding corona-dependent inhibition using a pH-switch. Materials Today, 2019, 26, 19-29.	14.2	9
26	The effect of saliva on the fate of nanoparticles. Clinical Oral Investigations, 2018, 22, 929-940.	3.0	37
27	TFIIA transcriptional activity is controlled by a â€˜cleave-and-runâ€™ Exportin-1/Taspase 1-switch. Journal of Molecular Cell Biology, 2018, 10, 33-47.	3.3	8
28	Nanoparticle binding attenuates the pathobiology of gastric cancer-associated <i>Helicobacter pylori</i>. Nanoscale, 2018, 10, 1453-1463.	5.6	45
29	Nanosized food additives impact beneficial and pathogenic bacteria in the human gut: a simulated gastrointestinal study. Npj Science of Food, 2018, 2, 22.	5.5	37
30	Nanomaterialâ€“microbe cross-talk: physicochemical principles and (patho)biological consequences. Chemical Society Reviews, 2018, 47, 5312-5337.	38.1	44
31	Nanoparticle decoration impacts airborne fungal pathobiology. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7087-7092.	7.1	15
32	Small Meets Smaller: Effects of Nanomaterials on Microbial Biology, Pathology, and Ecology. ACS Nano, 2018, 12, 6351-6359.	14.6	66
33	Changing environments and biomolecule coronas: consequences and challenges for the design of environmentally acceptable engineered nanoparticles. Green Chemistry, 2018, 20, 4133-4168.	9.0	81
34	Expressional analysis of disease-relevant signalling-pathways in primary tumours and metastasis of head and neck cancers. Scientific Reports, 2018, 8, 7326.	3.3	16
35	Translocation Biosensorsâ€"Versatile Tools to Probe Protein Functions in Living Cells. Methods in Molecular Biology, 2018, 1683, 195-210.	0.9	1
36	Synthesis and Characterization of Stimuliâ€Responsive Starâ€Like Polypept(o)ides: Introducing Biodegradable PeptoStars. Macromolecular Bioscience, 2017, 17, 1600514.	4.1	21

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37	Bioâ€"Nano Interactions. , 2017, , 1-12.		17
38	Protein Translocation Assays to Probe Protease Function and Screen for Inhibitors. Methods in Molecular Biology, 2017, 1574, 227-241.	0.9	0
39	Tuning the Surface of Nanoparticles: Impact of Poly(2â€ethylâ€2â€oxazoline) on Protein Adsorption in Serum and Cellular Uptake. Macromolecular Bioscience, 2016, 16, 1287-1300.	4.1	43
40	Small is Smarter: Nano MRI Contrast Agents â€" Advantages and Recent Achievements. Small, 2016, 12, 556-576.	10.0	147
41	Threonine Aspartase1: An unexplored protease with relevance for oral oncology?. Oral Oncology, 2016, 54, e10-e12.	1.5	2
42	Taspase1: a 'misunderstood' protease with translational cancer relevance. Oncogene, 2016, 35, 3351-3364.	5.9	20
43	Cleaving for growth: threonine aspartase 1â€"a protease relevant for development and disease. FASEB Journal, 2016, 30, 1012-1022.	0.5	11
44	In vivo degeneration and the fate of inorganic nanoparticles. Chemical Society Reviews, 2016, 45, 2440-2457.	38.1	355
45	The concept of bio-corona in modulating the toxicity of engineered nanomaterials (ENM). Toxicology and Applied Pharmacology, 2016, 299, 53-57.	2.8	61
46	Microfluidic Impedimetric Cell Regeneration Assay to Monitor the Enhanced Cytotoxic Effect of Nanomaterial Perfusion. Biosensors, 2015, 5, 736-749.	4.7	40
47	Protein corona â€" from molecular adsorption to physiological complexity. Beilstein Journal of Nanotechnology, 2015, 6, 857-873.	2.8	108
48	Fly versus man: evolutionary impairment of nucleolar targeting affects the degradome of Drosophila's Taspase1. FASEB Journal, 2015, 29, 1973-1985.	0.5	9
49	No king without a crown â€" impact of the nanomaterial-protein corona on nanobiomedicine. Nanomedicine, 2015, 10, 503-519.	3.3	101
50	The nanoparticle biomolecule corona: lessons learned â€" challenge accepted?. Chemical Society Reviews, 2015, 44, 6094-6121.	38.1	539
51	Understanding and exploiting nanoparticles' intimacy with the blood vessel and blood. Chemical Society Reviews, 2015, 44, 8174-8199.	38.1	268
52	Temperature-Triggered Protein Adsorption on Polymer-Coated Nanoparticles in Serum. Langmuir, 2015, 31, 8873-8881.	3.5	50
53	The protein corona protects against size- and dose-dependent toxicity of amorphous silica nanoparticles. Beilstein Journal of Nanotechnology, 2014, 5, 1380-1392.	2.8	68
54	Arginine residues within the DNA binding domain of STAT3 promote intracellular shuttling and phosphorylation of STAT3. Cellular Signalling, 2014, 26, 1698-1706.	3.6	8

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55	Physicochemical characterization of nanoparticles and their behavior in the biological environment. Physical Chemistry Chemical Physics, 2014, 16, 15053-15067.	2.8	87
56	Quantitative profiling of the protein coronas that form around nanoparticles. Nature Protocols, 2014, 9, 2030-2044.	12.0	200
57	Interferon alpha-armed nanoparticles trigger rapid and sustained STAT1-dependent anti-viral cellular responses. Cellular Signalling, 2013, 25, 989-998.	3.6	5
58	Nanoparticulate flurbiprofen reduces amyloid-Î²42 generation in an in vitro bloodâ€"brain barrier model. Alzheimer's Research and Therapy, 2013, 5, 51.	6.2	45
59	Rapid formation of plasma protein corona critically affects nanoparticle pathophysiology. Nature Nanotechnology, 2013, 8, 772-781.	31.5	1,817
60	Functional Characterization of Novel Mutations Affecting Survivin (BIRC5)-Mediated Therapy Resistance in Head and Neck Cancer Patients. Human Mutation, 2013, 34, 395-404.	2.5	16
61	SIAH proteins: critical roles in leukemogenesis. Leukemia, 2013, 27, 792-802.	7.2	44
62	Time-of-flight magnetic flow cytometry in whole blood with integrated sample preparation. Lab on A Chip, 2013, 13, 1035.	6.0	55
63	Monitoring nanoparticle induced cell death in H441 cells using field-effect transistors. Biosensors and Bioelectronics, 2013, 40, 89-95.	10.1	19
64	Allosteric inhibition of Taspase1â€²s pathobiological activity by enforced dimerization<i>in vivo</i>. FASEB Journal, 2012, 26, 3421-3429.	0.5	22
65	Targeting Taspase1 for Cancer Therapyâ€"Letter. Cancer Research, 2012, 72, 2912-2912.	0.9	9
66	MYC directs transcription of MCL1 and eIF4E genes to control sensitivity of gastric cancer cells toward HDAC inhibitors. Cell Cycle, 2012, 11, 1593-1602.	2.6	48
67	Impact of the Nanoparticleâ€"Protein Corona on Colloidal Stability and Protein Structure. Langmuir, 2012, 28, 9673-9679.	3.5	291
68	Overexpression of the Catalytically Impaired Taspase1T234V or Taspase1D233A Variants Does Not Have a Dominant Negative Effect in T(4;11) Leukemia Cells. PLoS ONE, 2012, 7, e34142.	2.5	11
69	A combination of a ribonucleotide reductase inhibitor and histone deacetylase inhibitors downregulates EGFR and triggers BIM-dependent apoptosis in head and neck cancer. Oncotarget, 2012, 3, 31-43.	1.8	60
70	Nanoparticle Size Is a Critical Physicochemical Determinant of the Human Blood Plasma Corona: A Comprehensive Quantitative Proteomic Analysis. ACS Nano, 2011, 5, 7155-7167.	14.6	749
71	Bioassays to Monitor Taspase1 Function for the Identification of Pharmacogenetic Inhibitors. PLoS ONE, 2011, 6, e18253.	2.5	25
72	The Importinâ€Alpha/Nucleophosmin Switch Controls Taspase1 Protease Function. Traffic, 2011, 12, 703-714.	2.7	32

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73	The heterodimerization domains of MLLâ€"FYRN and FYRCâ€"are potential target structures in t(4;11) leukemia. Leukemia, 2011, 25, 663-670.	7.2	31
74	Inflammatory and cytotoxic responses of an alveolar-capillary coculture model to silica nanoparticles: Comparison with conventional monocultures. Particle and Fibre Toxicology, 2011, 8, 6.	6.2	123
75	Cell-based Analysis of Structure-Function Activity of Threonine Aspartase 1. Journal of Biological Chemistry, 2011, 286, 3007-3017.	3.4	45
76	Nuclear receptors in head and neck cancer: current knowledge and perspectives. International Journal of Cancer, 2010, 126, 801-809.	5.1	21
77	An otoprotective role for the apoptosis inhibitor protein survivin. Cell Death and Disease, 2010, 1, e51-e51.	6.3	33
78	Expression analysis suggests a potential cytoprotective role of Birc5 in the inner ear. Molecular and Cellular Neurosciences, 2010, 45, 297-305.	2.2	19
79	Cloning and functional characterization of the guinea pig apoptosis inhibitor protein Survivin. Gene, 2010, 469, 9-17.	2.2	13
80	An update on the pathobiological relevance of nuclear receptors for cancers of the head and neck. Histology and Histopathology, 2010, 25, 1093-104.	0.7	7
81	A phosphorylation-acetylation switch regulates STAT1 signaling. Genes and Development, 2009, 23, 223-235.	5.9	227
82	Translocation Biosensors â€" Cellular System Integrators to Dissect CRM1-Dependent Nuclear Export by Chemicogenomics. Sensors, 2009, 9, 5423-5445.	3.8	33
83	Angiomyolipomas are Indicator Lesions for Sporadic Lymphangioleiomyomatosis in Women. European Urology, 2009, 55, 755-756.	1.9	3
84	Inducible NO synthase confers chemoresistance in head and neck cancer by modulating survivin. International Journal of Cancer, 2009, 124, 2033-2041.	5.1	67
85	Histone deacetylase inhibitors and hydroxyurea modulate the cell cycle and cooperatively induce apoptosis. Oncogene, 2008, 27, 732-740.	5.9	77
86	NO Signaling Confers Cytoprotectivity through the Survivin Network in Ovarian Carcinomas. Cancer Research, 2008, 68, 5159-5166.	0.9	68
87	Therapeutic potential of nuclear receptors. Expert Opinion on Therapeutic Patents, 2008, 18, 861-888.	5.0	13
88	Survivinâ€™s Dual Role: An Exportâ€™s View. Cell Cycle, 2007, 6, 518-521.	2.6	64
89	The Survivin Isoform Survivin-3B is Cytoprotective and can Function as a Chromosomal Passenger Complex Protein. Cell Cycle, 2007, 6, 1501-1508.	2.6	54
90	Nuclear export is essential for the tumorâ€promoting activity of survivin. FASEB Journal, 2007, 21, 207-216.	0.5	116

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91	Nuclear and Cytoplasmic Survivin: Molecular Mechanism, Prognostic, and Therapeutic Potential. Cancer Research, 2007, 67, 5999-6002.	0.9	209
92	Dynamic survivin in head and neck cancer: Molecular mechanism and therapeutic potential. International Journal of Cancer, 2007, 121, 1169-1174.	5.1	38
93	Dynamic intracellular survivin in oral squamous cell carcinoma: underlying molecular mechanism and potential as an early prognostic marker. Journal of Pathology, 2007, 211, 532-540.	4.5	100
94	The survivin isoform survivin-3B is cytoprotective and can function as a chromosomal passenger complex protein. Cell Cycle, 2007, 6, 1502-9.	2.6	37
95	Nucleocytoplasmic Shuttling and the Biological Activity of Mouse Survivin are Regulated by an Active Nuclear Export Signal. Traffic, 2006, 7, 1461-1472.	2.7	36
96	The Survivinâ€"Crm1 interaction is essential for chromosomal passenger complex localization and function. EMBO Reports, 2006, 7, 1259-1265.	4.5	112
97	Patient-based cross-platform comparison of oligonucleotide microarray expression profiles. Laboratory Investigation, 2005, 85, 1024-1039.	3.7	56
98	Translocation Biosensors to Study Signal-Specific Nucleo-Cytoplasmic Transport, Protease Activity and Protein-Protein Interactions. Traffic, 2005, 6, 594-606.	2.7	42
99	Nuclear Export Is Evolutionarily Conserved in CVC Paired-Like Homeobox Proteins and Influences Protein Stability, Transcriptional Activation, and Extracellular Secretion. Molecular and Cellular Biology, 2005, 25, 2573-2582.	2.3	35
100	Development of an Autofluorescent Translocation Biosensor System To Investigate Proteinâ^'Protein Interactions in Living Cells. Analytical Chemistry, 2005, 77, 4815-4820.	6.5	36
101	Rapid Evaluation and Optimization of Recombinant Protein Production Using GFP Tagging. Protein Expression and Purification, 2001, 21, 220-223.	1.3	28
102	Qualitative Highly Divergent Nuclear Export Signals Can Regulate Export by the Competition for Transport Cofactors in Vivo. Traffic, 2001, 2, 544-555.	2.7	25
103	Investigation of nucleo-cytoplasmic transport using UV-guided microinjection. Journal of Cellular Biochemistry, 2001, 80, 388-396.	2.6	7
104	Methods and Assays to Investigate Nuclear Export. Current Topics in Microbiology and Immunology, 2001, 259, 119-128.	1.1	4
105	The adenovirus type 5 E1B-55K oncoprotein is a highly active shuttle protein and shuttling is independent of E4orf6, p53 and Mdm2. Oncogene, 2000, 19, 850-857.	5.9	94
106	Direct Observation of Nucleocytoplasmic Transport by Microinjection of GFP-Tagged Proteins in Living Cells. BioTechniques, 1999, 27, 350-355.	1.8	50
107	Titration of cellular export factors, but not heteromultimerization, is the molecular mechanism of trans-dominant HTLV-1 Rex mutants. Oncogene, 1999, 18, 4080-4090.	5.9	36
108	Analysis of Intracellular Trafficking and Interactions of Cytoplasmic HIV-1 Rev Mutants in Living Cells. Virology, 1998, 251, 38-48.	2.4	60

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109	Development and Applications of Enhanced Green Fluorescent Protein Mutants. BioTechniques, 1998, 24, 462-471.	1.8	151