

Tomas Ruml

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5123455/publications.pdf>

Version: 2024-02-01

209
papers

7,205
citations

87723

38
h-index

74018

75
g-index

211
all docs

211
docs citations

211
times ranked

9592
citing authors

#	ARTICLE	IF	CITATIONS
1	Targeting the Virus Capsid as a Tool to Fight RNA Viruses. <i>Viruses</i> , 2022, 14, 174.	1.5	5
2	Enzyme-Photocatalyst Tandem Microrobot Powered by Urea for <i>Escherichia coli</i> Biofilm Eradication. <i>Small</i> , 2022, 18, e2106612.	5.2	41
3	Avenue to X-ray-induced photodynamic therapy of prostatic carcinoma with octahedral molybdenum cluster nanoparticles. <i>Journal of Materials Chemistry B</i> , 2022, 10, 3303-3310.	2.9	9
4	A Cell Membrane Targeting Molybdenum-Iodine Nanocluster: Rational Ligand Design toward Enhanced Photodynamic Activity. <i>Inorganic Chemistry</i> , 2022, 61, 5076-5083.	1.9	15
5	Flavonolignans from silymarin modulate antibiotic resistance and virulence in <i>Staphylococcus aureus</i> . <i>Biomedicine and Pharmacotherapy</i> , 2022, 149, 112806.	2.5	8
6	Ketone-selenoesters as potential anticancer and multidrug resistance modulation agents in 2D and 3D ovarian and breast cancer in vitro models. <i>Scientific Reports</i> , 2022, 12, 6548.	1.6	3
7	Swarming Magnetic Photoactive Microrobots for Dental Implant Biofilm Eradication. <i>ACS Nano</i> , 2022, 16, 8694-8703.	7.3	37
8	The Present and Future of Virology in the Czech Republic – A New Phoenix Made of Ashes?. <i>Viruses</i> , 2022, 14, 1303.	1.5	0
9	Fully Programmable Collective Behavior of Light-Powered Chemical Microrobotics: pH-Dependent Motion Behavior Switch and Controlled Cancer Cell Destruction. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	9
10	Effect of Small Polyanions on In Vitro Assembly of Selected Members of Alpha-, Beta- and Gammaretroviruses. <i>Viruses</i> , 2021, 13, 129.	1.5	4
11	Postbiotics, Metabolic Signaling, and Cancer. <i>Molecules</i> , 2021, 26, 1528.	1.7	18
12	Current Strategies for Noble Metal Nanoparticle Synthesis. <i>Nanoscale Research Letters</i> , 2021, 16, 47.	3.1	111
13	Current Perspectives on Taxanes: Focus on Their Bioactivity, Delivery and Combination Therapy. <i>Plants</i> , 2021, 10, 569.	1.6	39
14	Test conditions can significantly affect the results of in vitro cytotoxicity testing of degradable metallic biomaterials. <i>Scientific Reports</i> , 2021, 11, 6628.	1.6	43
15	Quo Vadis Advanced Prostate Cancer Therapy? Novel Treatment Perspectives and Possible Future Directions. <i>Molecules</i> , 2021, 26, 2228.	1.7	3
16	Comparison of Transcriptomic Profiles of MiaPaCa-2 Pancreatic Cancer Cells Treated with Different Statins. <i>Molecules</i> , 2021, 26, 3528.	1.7	4
17	Vincristine in Combination Therapy of Cancer: Emerging Trends in Clinics. <i>Biology</i> , 2021, 10, 849.	1.3	39
18	Swarming Aqua Sperm Micromotors for Active Bacterial Biofilms Removal in Confined Spaces. <i>Advanced Science</i> , 2021, 8, e2101301.	5.6	30

#	ARTICLE	IF	CITATIONS
19	3D-printed transmembrane glycoprotein cancer biomarker aptasensor. <i>Applied Materials Today</i> , 2021, 24, 101153.	2.3	9
20	Trans-palladium complexes with 1-adamantanamine and various halide ions: Synthesis, characterization, DNA and protein binding and in vitro cytotoxicity. <i>Polyhedron</i> , 2021, 209, 115458.	1.0	0
21	Steroid Glycosides Hyrcanoside and Deglucohyrcanoside: On Isolation, Structural Identification, and Anticancer Activity. <i>Foods</i> , 2021, 10, 136.	1.9	11
22	Comparison of Chemical Composition and Biological Activities of Eight <i>Selaginella</i> Species. <i>Pharmaceuticals</i> , 2021, 14, 16.	1.7	7
23	Inhibition of Mitochondrial Metabolism Leads to Selective Eradication of Cells Adapted to Acidic Microenvironment. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10790.	1.8	6
24	Peptaibol-Containing Extracts of <i>Trichoderma atroviride</i> and the Fight against Resistant Microorganisms and Cancer Cells. <i>Molecules</i> , 2021, 26, 6025.	1.7	9
25	Fullerene Derivatives Prevent Packaging of Viral Genomic RNA into HIV-1 Particles by Binding Nucleocapsid Protein. <i>Viruses</i> , 2021, 13, 2451.	1.5	3
26	Characterization of Fruit Development, Antioxidant Capacity, and Potential Vasoprotective Action of Peumo (<i>Cryptocarya alba</i>), a Native Fruit of Chile. <i>Antioxidants</i> , 2021, 10, 1997.	2.2	4
27	Highly selective mitochondrial probes based on fluorinated pentamethinium salts: On two-photon properties and microscopic applications. <i>Dyes and Pigments</i> , 2020, 172, 107802.	2.0	5
28	Mycotoxins: Biotransformation and Bioavailability Assessment Using Caco-2 Cell Monolayer. <i>Toxins</i> , 2020, 12, 628.	1.5	23
29	Mitotic Poisons in Research and Medicine. <i>Molecules</i> , 2020, 25, 4632.	1.7	25
30	Phytochemical Composition and In Vitro Biological Activity of <i>Iris</i> spp. (Iridaceae): A New Source of Bioactive Constituents for the Inhibition of Oral Bacterial Biofilms. <i>Antibiotics</i> , 2020, 9, 403.	1.5	27
31	Electrophoretically Deposited Layers of Octahedral Molybdenum Cluster Complexes: A Promising Coating for Mitigation of Pathogenic Bacterial Biofilms under Blue Light. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 52492-52499.	4.0	23
32	<i>In Vitro</i> Quantification of the Effects of IP6 and Other Small Polyanions on Immature HIV-1 Particle Assembly and Core Stability. <i>Journal of Virology</i> , 2020, 94, .	1.5	17
33	Antimicrobial Activity of Extracts of Two Native Fruits of Chile: Arrayan (<i>Luma apiculata</i>) and Peumo (<i>Cryptocarya alba</i>). <i>Antibiotics</i> , 2020, 9, 444.	1.5	13
34	Interaction Interface of Mason-Pfizer Monkey Virus Matrix and Envelope Proteins. <i>Journal of Virology</i> , 2020, 94, .	1.5	2
35	Chemical Microrobots as Self-Propelled Microbrushes against Dental Biofilm. <i>Cell Reports Physical Science</i> , 2020, 1, 100181.	2.8	40
36	Tensile Strength of Single Fiber of <i>Antheraea pernyi</i> Cocoon Prepared by Various Protocols. <i>Materials Science Forum</i> , 2020, 1013, 69-74.	0.3	2

#	ARTICLE	IF	CITATIONS
37	In Vitro Comparison of the Bioactivities of Japanese and Bohemian Knotweed Ethanol Extracts. <i>Foods</i> , 2020, 9, 544.	1.9	7
38	Lemon Grass Essential Oil does not Modulate Cancer Cells Multidrug Resistance by Citral—Its Dominant and Strongly Antimicrobial Compound. <i>Foods</i> , 2020, 9, 585.	1.9	32
39	Multidrug Resistance Modulation Activity of Silybin Derivatives and Their Anti-Inflammatory Potential. <i>Antioxidants</i> , 2020, 9, 455.	2.2	31
40	Cancer Cells Microsurgery <i>via</i> Asymmetric Bent Surface Au/Ag/Ni Microbotic Scalpels Through a Transversal Rotating Magnetic Field. <i>ACS Nano</i> , 2020, 14, 8247-8256.	7.3	92
41	Differences and commonalities in plasma membrane recruitment of the two morphogenetically distinct retroviruses HIV-1 and MMTV. <i>Journal of Biological Chemistry</i> , 2020, 295, 8819-8833.	1.6	2
42	Characterization and <i>in vitro</i> assembly of tick-borne encephalitis virus C protein. <i>FEBS Letters</i> , 2020, 594, 1989-2004.	1.3	5
43	Octahedral Molybdenum Cluster Complexes with Optimized Properties for Photodynamic Applications. <i>Inorganic Chemistry</i> , 2020, 59, 9287-9293.	1.9	26
44	In Silico and In Vitro Studies of Mycotoxins and Their Cocktails; Their Toxicity and Its Mitigation by Silibinin Pre-Treatment. <i>Toxins</i> , 2020, 12, 148.	1.5	33
45	Sarco/Endoplasmic Reticulum Calcium ATPase Inhibitors: Beyond Anticancer Perspective. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 1937-1963.	2.9	34
46	PF74 and Its Novel Derivatives Stabilize Hexameric Lattice of HIV-1 Mature-Like Particles. <i>Molecules</i> , 2020, 25, 1895.	1.7	6
47	Poor chemical and microbiological quality of the commercial milk thistle-based dietary supplements may account for their reported unsatisfactory and non-reproducible clinical outcomes. <i>Scientific Reports</i> , 2019, 9, 11118.	1.6	39
48	Complex Evaluation of Antioxidant Capacity of Milk Thistle Dietary Supplements. <i>Antioxidants</i> , 2019, 8, 317.	2.2	34
49	The Current View of Retroviruses as Seen from the Shoulders of a Giant. <i>Viruses</i> , 2019, 11, 828.	1.5	0
50	Oxime-based 19-nortestosterone—pheophorbide conjugate: bimodal controlled release concept for PDT. <i>Journal of Materials Chemistry B</i> , 2019, 7, 5465-5477.	2.9	9
51	Antioxidant, Anti-Inflammatory, and Multidrug Resistance Modulation Activity of Silychristin Derivatives. <i>Antioxidants</i> , 2019, 8, 303.	2.2	23
52	Archangelolide: A sesquiterpene lactone with immunobiological potential from <i>Laserpitium archangelica</i> . <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 1933-1944.	1.3	4
53	Cationic octahedral molybdenum cluster complexes functionalized with mitochondria-targeting ligands: photodynamic anticancer and antibacterial activities. <i>Biomaterials Science</i> , 2019, 7, 1386-1392.	2.6	62
54	Argon plasma-treated fluorinated ethylene propylene: Growth of primary dermal fibroblasts and mesenchymal stem cells. <i>Tissue and Cell</i> , 2019, 58, 121-129.	1.0	7

#	ARTICLE	IF	CITATIONS
55	Biocompatibility of Ar plasma-treated fluorinated ethylene propylene: Adhesion and viability of human keratinocytes. <i>Materials Science and Engineering C</i> , 2019, 100, 269-275.	3.8	9
56	Phosphinate Apical Ligands: A Route to a Water-Stable Octahedral Molybdenum Cluster Complex. <i>Inorganic Chemistry</i> , 2019, 58, 16546-16552.	1.9	29
57	A simple, high-throughput stabilization assay to test HIV-1 uncoating inhibitors. <i>Scientific Reports</i> , 2019, 9, 17076.	1.6	12
58	PEGylated Purpurin 18 with Improved Solubility: Potent Compounds for Photodynamic Therapy of Cancer. <i>Molecules</i> , 2019, 24, 4477.	1.7	14
59	Pentamethinium salts as ligands for cancer: Sulfated polysaccharide co-receptors as possible therapeutic target. <i>Bioorganic Chemistry</i> , 2019, 82, 74-85.	2.0	7
60	Mutations in the Basic Region of the Mason-Pfizer Monkey Virus Nucleocapsid Protein Affect Reverse Transcription, Genomic RNA Packaging, and the Virus Assembly Site. <i>Journal of Virology</i> , 2018, 92, .	1.5	9
61	Designing Porphyrinic Covalent Organic Frameworks for the Photodynamic Inactivation of Bacteria. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 8527-8535.	4.0	102
62	Metallomics for Alzheimer's disease treatment: Use of new generation of chelators combining metal-cation binding and transport properties. <i>European Journal of Medicinal Chemistry</i> , 2018, 150, 140-155.	2.6	20
63	In vitro methods for testing antiviral drugs. <i>Biotechnology Advances</i> , 2018, 36, 557-576.	6.0	39
64	Targeting of stress response pathways in the prevention and treatment of cancer. <i>Biotechnology Advances</i> , 2018, 36, 583-602.	6.0	41
65	Synthesis, absolute configuration and <i>in vitro</i> cytotoxicity of deschloroketamine enantiomers: rediscovered and abused dissociative anaesthetic. <i>New Journal of Chemistry</i> , 2018, 42, 19360-19368.	1.4	14
66	Structure and architecture of immature and mature murine leukemia virus capsids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E11751-E11760.	3.3	92
67	The nanoscaled metal-organic framework ICR-2 as a carrier of porphyrins for photodynamic therapy. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 2960-2967.	1.5	12
68	Does BCA3 Play a Role in the HIV-1 Replication Cycle?. <i>Viruses</i> , 2018, 10, 212.	1.5	6
69	Corrosion behaviour and cell interaction of Ti-6Al-4V alloy prepared by two techniques of 3D printing. <i>Materials Science and Engineering C</i> , 2018, 93, 911-920.	3.8	40
70	Mason-Pfizer Monkey Virus Envelope Glycoprotein Cycling and Its Vesicular Co-Transport with Immature Particles. <i>Viruses</i> , 2018, 10, 575.	1.5	2
71	Phosphinatophenylporphyrins tailored for high photodynamic efficacy. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 7274-7281.	1.5	13
72	Estradiol dimer inhibits tubulin polymerization and microtubule dynamics. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2018, 183, 68-79.	1.2	16

#	ARTICLE	IF	CITATIONS
73	Conserved cysteines in Masonâ€“Pfizer monkey virus capsid protein are essential for infectious mature particle formation. <i>Virology</i> , 2018, 521, 108-117.	1.1	1
74	Octahedral molybdenum clusters as radiosensitizers for X-ray induced photodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2018, 6, 4301-4307.	2.9	51
75	Effect of equal channel angular pressing on in vitro degradation of LAE442 magnesium alloy. <i>Materials Science and Engineering C</i> , 2017, 73, 736-742.	3.8	44
76	Nanoscaled porphyrinic metalâ€“organic frameworks: photosensitizer delivery systems for photodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2017, 5, 1815-1821.	2.9	62
77	Conjugation of chlorins with spermine enhances phototoxicity to cancer cells in vitro. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 168, 175-184.	1.7	15
78	Variability in statin-induced changes in gene expression profiles of pancreatic cancer. <i>Scientific Reports</i> , 2017, 7, 44219.	1.6	33
79	Titania sol-gel coatings containing silver on newly developed TiSi alloys and their antibacterial effect. <i>Materials Science and Engineering C</i> , 2017, 76, 25-30.	3.8	13
80	High resolution mass spectrometry based method applicable for a wide range of 3-hydroxy-3-methyl-glutaryl-coenzyme A reductase inhibitors in blood serum including intermediates and products of the cholesterol biosynthetic pathway. <i>Journal of Chromatography A</i> , 2017, 1489, 86-94.	1.8	3
81	Optimized method for isolation of immature intracytoplasmic retroviral particles from mammalian cells. <i>Journal of Virological Methods</i> , 2017, 248, 19-25.	1.0	1
82	Bioprospecting of <i>Turbinaria</i> Macroalgae as a Potential Source of Health Protective Compounds. <i>Chemistry and Biodiversity</i> , 2017, 14, e1600192.	1.0	11
83	Dimethinium Heteroaromatic Salts as Building Blocks for Dualâ€“Fluorescence Intracellular Probes. <i>ChemPhotoChem</i> , 2017, 1, 442-450.	1.5	2
84	Trilobolide-steroid hybrids: Synthesis, cytotoxic and antimycobacterial activity. <i>Steroids</i> , 2017, 117, 97-104.	0.8	15
85	The interplay of plasma treatment and gold coating and ultra-high molecular weight polyethylene: On the cytocompatibility. <i>Materials Science and Engineering C</i> , 2017, 71, 125-131.	3.8	9
86	BODIPY-based fluorescent liposomes with sesquiterpene lactone trilobolide. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 1316-1324.	1.3	8
87	Antidiabetic Compounds in Stem Juice from Banana. <i>Czech Journal of Food Sciences</i> , 2017, 35, 407-413.	0.6	24
88	Isoprenoids responsible for protein prenylation modulate the biological effects of statins on pancreatic cancer cells. <i>Lipids in Health and Disease</i> , 2017, 16, 250.	1.2	27
89	Heme oxygenase is not involved in the anti-proliferative effects of statins on pancreatic cancer cells. <i>BMC Cancer</i> , 2016, 16, 309.	1.1	6
90	Influence of surface pre-treatment on the cytocompatibility of a novel biodegradable ZnMg alloy. <i>Materials Science and Engineering C</i> , 2016, 68, 198-204.	3.8	48

#	ARTICLE	IF	CITATIONS
91	Nucleic Acid Binding by Mason-Pfizer Monkey Virus CA Promotes Virus Assembly and Genome Packaging. <i>Journal of Virology</i> , 2016, 90, 4593-4603.	1.5	13
92	Membrane Interactions of the Mason-Pfizer Monkey Virus Matrix Protein and Its Budding Deficient Mutants. <i>Journal of Molecular Biology</i> , 2016, 428, 4708-4722.	2.0	3
93	High power plasma as an efficient tool for polymethylpentene cytocompatibility enhancement. <i>RSC Advances</i> , 2016, 6, 76000-76010.	1.7	11
94	Functional and Structural Characterization of Novel Type of Linker Connecting Capsid and Nucleocapsid Protein Domains in Murine Leukemia Virus. <i>Journal of Biological Chemistry</i> , 2016, 291, 20630-20642.	1.6	7
95	Autophagy in MCF-7 cancer cells induced by copper complexes. <i>Pharmacological Reports</i> , 2016, 68, 1221-1224.	1.5	12
96	Molecular aspects of the interaction between Mason-Pfizer monkey virus matrix protein and artificial phospholipid membrane. <i>Proteins: Structure, Function and Bioinformatics</i> , 2016, 84, 1717-1727.	1.5	3
97	Highly porous, low elastic modulus 316L stainless steel scaffold prepared by selective laser melting. <i>Materials Science and Engineering C</i> , 2016, 69, 631-639.	3.8	148
98	Porphyrins with directly meso-attached disaccharide moieties: Synthesis, self-assembly and cellular study. <i>Journal of Porphyrins and Phthalocyanines</i> , 2016, 20, 773-784.	0.4	3
99	Effect of Schiff base Cu(II) complexes on signaling pathways in HT-29 cells. <i>Molecular Medicine Reports</i> , 2016, 14, 4436-4444.	1.1	10
100	Plasma activated perfluoroethylenepropylene for cytocompatibility enhancement. <i>Polymer Degradation and Stability</i> , 2016, 130, 277-287.	2.7	24
101	Water-soluble octahedral molybdenum cluster compounds Na ₂ [Mo ₆ I ₈ (N ₃) ₆] and Na ₂ [Mo ₆ I ₈ (NCS) ₆]: Syntheses, luminescence, and in vitro studies. <i>Inorganica Chimica Acta</i> , 2016, 441, 42-49.	1.2	67
102	Microstructural, mechanical, corrosion and cytotoxicity characterization of the hot forged FeMn30(wt.%) alloy. <i>Materials Science and Engineering C</i> , 2016, 58, 900-908.	3.8	59
103	Structure, mechanical characteristics and in vitro degradation, cytotoxicity, genotoxicity and mutagenicity of novel biodegradable Zn-Mg alloys. <i>Materials Science and Engineering C</i> , 2016, 58, 24-35.	3.8	245
104	FAITH – Fast Assembly Inhibitor Test for HIV. <i>Virology</i> , 2015, 486, 78-87.	1.1	14
105	Striking Antitumor Activity of a Methinium System with Incorporated Quinoxaline Unit Obtained by Spontaneous Cyclization. <i>ChemBioChem</i> , 2015, 16, 555-558.	1.3	8
106	PTEN Sequence Analysis in Endometrial Hyperplasia and Endometrial Carcinoma in Slovak Women. <i>Analytical Cellular Pathology</i> , 2015, 2015, 1-7.	0.7	11
107	Study of Cytotoxic Effects of Benzonitrile Pesticides. <i>BioMed Research International</i> , 2015, 2015, 1-9.	0.9	19
108	Synthesis and biological evaluation of nandrolone-bodipy conjugates. <i>Steroids</i> , 2015, 97, 62-66.	0.8	11

#	ARTICLE	IF	CITATIONS
109	Current approaches in SELEX: An update to aptamer selection technology. <i>Biotechnology Advances</i> , 2015, 33, 1141-1161.	6.0	519
110	Resonance assignments of the myristoylated Y28F/Y67F mutant of the Mason-Pfizer monkey virus matrix protein. <i>Biomolecular NMR Assignments</i> , 2015, 9, 229-233.	0.4	2
111	Structure of the immature HIV-1 capsid in intact virus particles at 8.8Å... resolution. <i>Nature</i> , 2015, 517, 505-508.	13.7	277
112	Trilobolideâ€“porphyrin conjugates: On synthesis and biological effects evaluation. <i>Steroids</i> , 2015, 97, 8-12.	0.8	15
113	Anti-cancer effects of blue-green alga <i>Spirulina platensis</i> , a natural source of bilirubin-like tetrapyrrolic compounds. <i>Annals of Hepatology</i> , 2014, 13, 273-283.	0.6	118
114	Role of Mason-Pfizer Monkey Virus CA-NC Spacer Peptide-Like Domain in Assembly of Immature Particles. <i>Journal of Virology</i> , 2014, 88, 14148-14160.	1.5	15
115	Surface Modification of Biodegradable Poly(L-lactic Acid) by Argon Plasma: Fibroblasts and Keratinocytes in the Spotlight. <i>Plasma Processes and Polymers</i> , 2014, 11, 1057-1067.	1.6	26
116	HIV-1 protease-induced apoptosis. <i>Retrovirology</i> , 2014, 11, 37.	0.9	35
117	Stabilization of the β^2 -hairpin in Mason-Pfizer monkey virus capsid protein- a critical step for infectivity. <i>Retrovirology</i> , 2014, 11, 94.	0.9	7
118	Antiproliferative effects of carbon monoxide on pancreatic cancer. <i>Digestive and Liver Disease</i> , 2014, 46, 369-375.	0.4	82
119	Cost-effective method for the preparation of uniformly labeled myristoylated proteins for NMR measurements. <i>Protein Expression and Purification</i> , 2014, 99, 6-9.	0.6	1
120	Breast cancer-associated protein â€“ a novel binding partner of Mason-Pfizer monkey virus protease. <i>Journal of General Virology</i> , 2014, 95, 1383-1389.	1.3	5
121	Engineered retroviral virus-like particles for receptor targeting. <i>Archives of Virology</i> , 2014, 159, 677-688.	0.9	4
122	Direct evidence for intracellular anterograde co-transport of M-PMV Gag and Env on microtubules. <i>Virology</i> , 2014, 449, 109-119.	1.1	16
123	Efficient Mutagenesis Independent of Ligation (EMILI). <i>Journal of Microbiological Methods</i> , 2014, 106, 67-71.	0.7	23
124	Tailor-Made Fluorescent Trilobolide To Study Its Biological Relevance. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 7947-7954.	2.9	28
125	Pentamethinium fluorescent probes: The impact of molecular structure on photophysical properties and subcellular localization. <i>Dyes and Pigments</i> , 2014, 107, 51-59.	2.0	22
126	The complex understanding of Annexin A1 phosphorylation. <i>Cellular Signalling</i> , 2014, 26, 173-178.	1.7	55

#	ARTICLE	IF	CITATIONS
127	Anti-cancer effects of blue-green alga <i>Spirulina platensis</i> , a natural source of bilirubin-like tetrapyrrolic compounds. <i>Annals of Hepatology</i> , 2014, 13, 273-83.	0.6	32
128	Human UBL5 protein interacts with coilin and meets the Cajal bodies. <i>Biochemical and Biophysical Research Communications</i> , 2013, 436, 240-245.	1.0	10
129	Plasma treated polyethylene grafted with adhesive molecules for enhanced adhesion and growth of fibroblasts. <i>Materials Science and Engineering C</i> , 2013, 33, 1116-1124.	3.8	33
130	Poly-L-lactic acid modified by etching and grafting with gold nanoparticles. <i>Journal of Materials Science</i> , 2013, 48, 5871-5879.	1.7	35
131	The effect of simvastatin on lipid droplets accumulation in human embryonic kidney cells and pancreatic cancer cells. <i>Lipids in Health and Disease</i> , 2013, 12, 126.	1.2	26
132	Rational Design of Chemical Ligands for Selective Mitochondrial Targeting. <i>Bioconjugate Chemistry</i> , 2013, 24, 1445-1454.	1.8	27
133	Characterization of <i>pbt</i> genes conferring increased Pb ²⁺ and Cd ²⁺ tolerance upon <i>Achromobacter xylosoxidans</i> A8. <i>Research in Microbiology</i> , 2013, 164, 1009-1018.	1.0	18
134	Structure, mechanical properties, corrosion behavior and cytotoxicity of biodegradable Mg-X (X=Sn, Ti, Zn, Cu, Mg) alloys. <i>Journal of Materials Science: Materials in Medicine</i> , 2013, 24, 1009-1018.	3.8	150
135	Effect of the Schiff base complex diaqua-(N-salicylidene-L-glutamato)copper(II) monohydrate on human tumor cells. <i>European Journal of Pharmacology</i> , 2013, 721, 178-184.	1.7	17
136	One-step separation of myristoylated and nonmyristoylated retroviral matrix proteins. <i>Protein Expression and Purification</i> , 2013, 92, 94-99.	0.6	3
137	Interaction of Mason-Pfizer monkey virus matrix protein with plasma membrane. <i>Frontiers in Microbiology</i> , 2013, 4, 423.	1.5	11
138	A Mason-Pfizer Monkey Virus Gag-GFP Fusion Vector Allows Visualization of Capsid Transport in Live Cells and Demonstrates a Role for Microtubules. <i>PLoS ONE</i> , 2013, 8, e83863.	1.1	9
139	The G-Patch Domain of Mason-Pfizer Monkey Virus Is a Part of Reverse Transcriptase. <i>Journal of Virology</i> , 2012, 86, 1988-1998.	1.5	20
140	In Vitro Assembly of Virus-Like Particles of a Gammaretrovirus, the Murine Leukemia Virus XMRV. <i>Journal of Virology</i> , 2012, 86, 1297-1306.	1.5	24
141	The Structure of Myristoylated Mason-Pfizer Monkey Virus Matrix Protein and the Role of Phosphatidylinositol-(4,5)-Bisphosphate in Its Membrane Binding. <i>Journal of Molecular Biology</i> , 2012, 423, 427-438.	2.0	36
142	Structure of the immature retroviral capsid at 8 Å resolution by cryo-electron microscopy. <i>Nature</i> , 2012, 487, 385-389.	13.7	152
143	Using dot blot with immunochemical detection to evaluate global changes in SUMO-2/3 conjugation. <i>BioTechniques</i> , 2012, 53, 1-4.	0.8	10
144	SUMO-2/3 conjugates accumulating under heat shock or MG132 treatment result largely from new protein synthesis. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2012, 1823, 911-919.	1.9	31

#	ARTICLE	IF	CITATIONS
145	Oligomerization of a Retroviral Matrix Protein Is Facilitated by Backbone Flexibility on Nanosecond Time Scale. <i>Journal of Physical Chemistry B</i> , 2011, 115, 2634-2644.	1.2	7
146	Bacterial Surface Display of Metal-Binding Sites. , 2011, , 249-283.		2
147	Purification of proteins containing zinc finger domains using immobilized metal ion affinity chromatography. <i>Protein Expression and Purification</i> , 2011, 79, 88-95.	0.6	34
148	Expression and purification of myristoylated matrix protein of Mason-Pfizer monkey virus for NMR and MS measurements. <i>Protein Expression and Purification</i> , 2011, 79, 122-127.	0.6	10
149	Three metallothionein isoforms and sequestration of intracellular silver in the hyperaccumulator <i>Amanita strobiliformis</i> . <i>New Phytologist</i> , 2011, 190, 916-926.	3.5	53
150	Modulation of cell adhesion, proliferation and differentiation on materials designed for body implants. <i>Biotechnology Advances</i> , 2011, 29, 739-767.	6.0	797
151	Conserved and Variable Features of Gag Structure and Arrangement in Immature Retrovirus Particles. <i>Journal of Virology</i> , 2010, 84, 11729-11736.	1.5	52
152	Effect of Dimerizing Domains and Basic Residues on <i>In Vitro</i> and <i>In Vivo</i> Assembly of Mason-Pfizer Monkey Virus and Human Immunodeficiency Virus. <i>Journal of Virology</i> , 2010, 84, 1977-1988.	1.5	20
153	Surface Display of Metal Fixation Motifs of Bacterial P1-Type ATPases Specifically Promotes Biosorption of Pb ²⁺ by <i>Saccharomyces cerevisiae</i> . <i>Applied and Environmental Microbiology</i> , 2010, 76, 2615-2622.	1.4	43
154	The impact of altered polyprotein ratios on the assembly and infectivity of Mason-Pfizer monkey virus. <i>Virology</i> , 2009, 384, 59-68.	1.1	4
155	Conformational changes of the N-terminal part of Mason-Pfizer monkey virus p12 protein during multimerization. <i>Virology</i> , 2009, 393, 168-176.	1.1	4
156	Genetically modified plants in phytoremediation of heavy metal and metalloid soil and sediment pollution. <i>Biotechnology Advances</i> , 2009, 27, 799-810.	6.0	249
157	Cytocompatibility of Ar ⁺ plasma treated and Au nanoparticle-grafted PE. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2009, 267, 1904-1910.	0.6	53
158	Nonmyristoylated Matrix Protein from the Mason-Pfizer Monkey Virus Forms Oligomers. <i>Journal of Molecular Biology</i> , 2009, 390, 967-980.	2.0	10
159	NMR Structure of the N-Terminal Domain of Capsid Protein from the Mason-Pfizer Monkey Virus. <i>Journal of Molecular Biology</i> , 2009, 392, 100-114.	2.0	28
160	Molecular Design of Specific Metal-Binding Peptide Sequences from Protein Fragments: Theory and Experiment. <i>Chemistry - A European Journal</i> , 2008, 14, 7836-7846.	1.7	16
161	Differences in antitumor effects of various statins on human pancreatic cancer. <i>International Journal of Cancer</i> , 2008, 122, 1214-1221.	2.3	93
162	The effect of point mutations within the N-terminal domain of Mason-Pfizer monkey virus capsid protein on virus core assembly and infectivity. <i>Virology</i> , 2008, 380, 157-163.	1.1	17

#	ARTICLE	IF	CITATIONS
163	Enhanced metal sorption by engineered <i>Saccharomyces cerevisiae</i> . <i>Journal of Biotechnology</i> , 2008, 136, S702.	1.9	0
164	D-retrovirus morphogenetic switch driven by the targeting signal accessibility to Tctex-1 of dynein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 10565-10570.	3.3	39
165	The Role of the S-S Bridge in Retroviral Protease Function and Virion Maturation. <i>Journal of Molecular Biology</i> , 2007, 365, 1493-1504.	2.0	10
166	Biosorption of Cd ²⁺ and Zn ²⁺ by cell surface-engineered <i>Saccharomyces cerevisiae</i> . <i>International Biodeterioration and Biodegradation</i> , 2007, 60, 96-102.	1.9	82
167	Atomic force microscopy investigation of Mason-Pfizer monkey virus and human immunodeficiency virus type 1 reassembled particles. <i>Virology</i> , 2007, 360, 434-446.	1.1	18
168	Multimerization of the p12 domain is necessary for Mason-Pfizer monkey virus Gag assembly in vitro. <i>Virology</i> , 2007, 365, 260-270.	1.1	8
169	Distinct Roles for Nucleic Acid in In Vitro Assembly of Purified Mason-Pfizer Monkey Virus CANC Proteins. <i>Journal of Virology</i> , 2006, 80, 7089-7099.	1.5	34
170	Luminometric method for screening retroviral protease inhibitors. <i>Analytical Biochemistry</i> , 2005, 345, 96-101.	1.1	2
171	Letter to the Editor: Assignment of ¹ H, ¹³ C, and ¹⁵ N resonances of WT matrix protein and its R55F mutant from Mason-Pfizer monkey virus. <i>Journal of Biomolecular NMR</i> , 2005, 31, 381-382.	1.6	5
172	The RNA Binding G-patch Domain in Retroviral Protease Is Important for Infectivity and D-type Morphogenesis of Mason-Pfizer Monkey Virus. <i>Journal of Biological Chemistry</i> , 2005, 280, 42106-42112.	1.6	13
173	Rapid protocol for electroporation of <i>Clostridium perfringens</i> . <i>Journal of Microbiological Methods</i> , 2005, 62, 125-127.	0.7	11
174	Integrase of Mason-Pfizer monkey virus. <i>FEBS Journal</i> , 2004, 272, 203-216.	2.2	14
175	Isolation and characterization of the Mason-Pfizer monkey virus p12 protein. <i>Virology</i> , 2004, 324, 204-212.	1.1	7
176	Specific in vitro cleavage of Mason-Pfizer monkey virus capsid protein: evidence for a potential role of retroviral protease in early stages of infection. <i>Virology</i> , 2003, 310, 310-318.	1.1	30
177	Three-dimensional Structure of a Monomeric Form of a Retroviral Protease. <i>Journal of Molecular Biology</i> , 2003, 333, 771-780.	2.0	23
178	Degradation of juvenile hormone analog by soil microbial isolates. <i>Chemosphere</i> , 2003, 52, 151-159.	4.2	4
179	Simple Method for Screening <i>Candida</i> Species Isolates for the Presence of Secreted Proteinases: a Tool for the Prediction of Successful Inhibitory Treatment. <i>Journal of Clinical Microbiology</i> , 2003, 41, 712-716.	1.8	43
180	Molecular Organization of Mason-Pfizer Monkey Virus Capsids Assembled from Gag Polyprotein in <i>Escherichia coli</i> . <i>Journal of Virology</i> , 2002, 76, 4321-4330.	1.5	19

#	ARTICLE	IF	CITATIONS
181	Evaluation of toxicity of pesticides and their biodegradation products using human cells. <i>Chemosphere</i> , 2002, 46, 209-217.	4.2	12
182	Comparison of Classical and Affinity Purification Techniques of Mason-Pfizer Monkey Virus Capsid Protein: The Alteration of the Product by an Affinity Tag. <i>Protein Expression and Purification</i> , 2001, 23, 75-83.	0.6	21
183	Inhibition of HIV-1 integrase by modified oligonucleotides derived from U5 ϵ LTR. <i>FEBS Journal</i> , 2001, 268, 980-986.	0.2	19
184	Secreted aspartic proteases of <i>Candida albicans</i> , <i>Candida tropicalis</i> , <i>Candida parapsilosis</i> and <i>Candida lusitanae</i> . <i>FEBS Journal</i> , 2001, 268, 2669-2677.	0.2	105
185	Enzymological Characterization of Secreted Proteinases from <i>Candida parapsilosis</i> and <i>Candida lusitanae</i> . <i>Collection of Czechoslovak Chemical Communications</i> , 2001, 66, 1707-1719.	1.0	7
186	Bioremediation of Heavy Metal Pollution Exploiting Constituents, Metabolites and Metabolic Pathways of Livings. A Review. <i>Collection of Czechoslovak Chemical Communications</i> , 2000, 65, 1205-1247.	1.0	22
187	Analysis of Mason-Pfizer Monkey Virus Gag Domains Required for Capsid Assembly in Bacteria: Role of the N-Terminal Proline Residue of CA in Directing Particle Shape. <i>Journal of Virology</i> , 2000, 74, 8452-8459.	1.5	42
188	Cleavage of Vimentin by Different Retroviral Proteases. <i>Archives of Biochemistry and Biophysics</i> , 2000, 377, 241-245.	1.4	40
189	Heavy Metal-Binding Peptides and Proteins in Plants. A Review. <i>Collection of Czechoslovak Chemical Communications</i> , 1999, 64, 1057-1086.	1.0	53
190	Enhanced Metallosorption of <i>Escherichia Coli</i> Cells Due to Surface Display of β - and α -Domains of Mammalian Metallothionein as a Fusion to Lamb Protein. <i>Journal of Receptor and Signal Transduction Research</i> , 1999, 19, 703-715.	1.3	30
191	SV40-immortalized human keratinocytes as an in vitro model system for studying environmental carcinogens. <i>International Biodeterioration and Biodegradation</i> , 1999, 44, 7-16.	1.9	0
192	The effect of different solvents on the ATP/ADP content and growth properties of HeLa cells. , 1999, 13, 11-15.		43
193	Peptidomimetic Inhibitors of Extracellular Aspartic Proteinases of <i>Candida albicans</i> and <i>Candida tropicalis</i> . <i>Collection of Czechoslovak Chemical Communications</i> , 1999, 64, 130-137.	1.0	4
194	Enhanced Bioaccumulation of Heavy Metal Ions by Bacterial Cells Due to Surface Display of Short Metal Binding Peptides. <i>Applied and Environmental Microbiology</i> , 1999, 65, 1092-1098.	1.4	159
195	Conditions Resulting in Formation of Properly Assembled Retroviral Capsids within Inclusion Bodies of <i>Escherichia coli</i> . <i>Collection of Czechoslovak Chemical Communications</i> , 1999, 64, 1348-1356.	1.0	4
196	Three Active Forms of Aspartic Proteinase from Mason-Pfizer Monkey Virus. <i>Virology</i> , 1998, 245, 250-256.	1.1	39
197	Development and Testing of Inhibitors of <i>Candida</i> Aspartic Proteinases. <i>Advances in Experimental Medicine and Biology</i> , 1998, 436, 329-333.	0.8	0
198	Analysis of Autoprocessing of Mason-Pfizer Monkey Virus Proteinase in Vitro. <i>Advances in Experimental Medicine and Biology</i> , 1998, 436, 105-108.	0.8	5

#	ARTICLE	IF	CITATIONS
199	Metalloadsorption by <i>Escherichia coli</i> Cells Displaying Yeast and Mammalian Metallothioneins Anchored to the Outer Membrane Protein LamB. <i>Journal of Bacteriology</i> , 1998, 180, 2280-2284.	1.0	131
200	The three-dimensional solution structure of the matrix protein from the type D retrovirus, the Mason-Pfizer monkey virus, and implications for the morphology of retroviral assembly. <i>EMBO Journal</i> , 1997, 16, 5819-5826.	3.5	62
201	Mapping of gene controlling thiamine transport in <i>Saccharomyces cerevisiae</i> . , 1996, 12, 1279-1283.		3
202	Rapid screening of peptides for heavy metal binding. <i>Biotechnology Letters</i> , 1996, 10, 773-778.	0.5	13
203	Production of thiaminase I for analytical purposes. <i>Acta Biotechnologica</i> , 1995, 15, 117-121.	1.0	1
204	Characterization of a 1.8-kb DNA segment located upstream from the human Ha-ras protooncogene and possibly regulating its function. <i>Gene</i> , 1995, 155, 253-256.	1.0	3
205	Accumulation of cadmium by hairy-root cultures of <i>Solanum nigrum</i> . <i>Biotechnology Letters</i> , 1994, 16, 621-624.	1.1	41
206	Purification of glycerophosphate oxidase isolated from mutant strain of <i>Aerococcus viridans</i> . <i>Biotechnology Letters</i> , 1993, 7, 435-438.	0.5	1
207	Dominant resistance to oxythiamin in <i>Saccharomyces cerevisiae</i> and its mapping. <i>Folia Microbiologica</i> , 1990, 35, 168-171.	1.1	1
208	The irreversibility of thiamin transport in <i>Saccharomyces cerevisiae</i> . <i>Folia Microbiologica</i> , 1988, 33, 372-376.	1.1	3
209	Structural diversity and biological activities of secondary metabolites isolated from the genus <i>Selaginella</i> . <i>Phytochemistry Reviews</i> , 0, , 1.	3.1	3