

Bertrand Czarny

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

2,163
citations

236833

25
h-index

233338

45
g-index

56
all docs

56
docs citations

56
times ranked

3516
citing authors

#	ARTICLE	IF	CITATIONS
1	An adult tissue-specific stem cell in its niche: A gene profiling analysis of in vivo quiescent and activated muscle satellite cells. <i>Stem Cell Research</i> , 2010, 4, 77-91.	0.3	250
2	Roles of the Two Active Sites of Somatic Angiotensin-Converting Enzyme in the Cleavage of Angiotensin I and Bradykinin. <i>Circulation Research</i> , 2003, 93, 148-154.	2.0	148
3	Bioinspired Cell-Derived Nanovesicles versus Exosomes as Drug Delivery Systems: a Cost-Effective Alternative. <i>Scientific Reports</i> , 2017, 7, 14322.	1.6	146
4	A Selective Matrix Metalloproteinase-12 Inhibitor Retards Atherosclerotic Plaque Development in Apolipoprotein Eâ€‘Knockout Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 528-535.	1.1	144
5	Quantitative evaluation of multi-walled carbon nanotube uptake in wheat and rapeseed. <i>Journal of Hazardous Materials</i> , 2012, 227-228, 155-163.	6.5	110
6	Liposome encapsulated berberine treatment attenuates cardiac dysfunction after myocardial infarction. <i>Journal of Controlled Release</i> , 2017, 247, 127-133.	4.8	104
7	Third generation of matrix metalloprotease inhibitors: Gain in selectivity by targeting the depth of the S1â€‘2 cavity. <i>Biochimie</i> , 2010, 92, 1501-1508.	1.3	88
8	Doxorubicin-loaded cell-derived nanovesicles: an alternative targeted approach for anti-tumor therapy. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 2759-2767.	3.3	83
9	Carbon Nanotube Translocation to Distant Organs after Pulmonary Exposure: Insights from in Situ ¹⁴ C-Radiolabeling and Tissue Radioimaging. <i>ACS Nano</i> , 2014, 8, 5715-5724.	7.3	81
10	Dualâ€‘Targeting Dualâ€‘Action Platinum(IV) Platform for Enhanced Anticancer Activity and Reduced Nephrotoxicity. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8109-8114.	7.2	81
11	A Highly Conducting Polymer for Selfâ€‘Healable, Printable, and Stretchable Organic Electrochemical Transistor Arrays and Near Hysteresisâ€‘Free Soft Tactile Sensors. <i>Advanced Materials</i> , 2022, 34, e2200682.	11.1	63
12	Insights from Selective Non-phosphinic Inhibitors of MMP-12 Tailored to Fit with an S1â€‘2 Loop Canonical Conformation. <i>Journal of Biological Chemistry</i> , 2010, 285, 35900-35909.	1.6	48
13	Preparation of ¹⁴ C-Labeled Multiwalled Carbon Nanotubes for Biodistribution Investigations. <i>Journal of the American Chemical Society</i> , 2009, 131, 14658-14659.	6.6	47
14	Crystallization of bi-functional ligand protein complexes. <i>Journal of Structural Biology</i> , 2013, 182, 246-254.	1.3	45
15	Molecular Determinants of a Selective Matrix Metalloprotease-12 Inhibitor: Insights from Crystallography and Thermodynamic Studies. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 1149-1159.	2.9	37
16	EXOPLEXs: Chimeric Drug Delivery Platform from the Fusion of Cell-Derived Nanovesicles and Liposomes. <i>Biomacromolecules</i> , 2018, 19, 22-30.	2.6	37
17	Novel mechanism of inhibition of human angiotensin-I-converting enzyme (ACE) by a highly specific phosphinic tripeptide. <i>Biochemical Journal</i> , 2011, 436, 53-59.	1.7	36
18	Phenylboronic Acid Functionalized Polycarbonate Hydrogels for Controlled Release of Polymyxin B in <i>Pseudomonas Aeruginosa</i> Infected Burn Wounds. <i>Advanced Healthcare Materials</i> , 2018, 7, e1701388.	3.9	36

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19	Simple Pseudo-dipeptides with a P2 ⁺ Glutamate. <i>Journal of Biological Chemistry</i> , 2012, 287, 26647-26656.	1.6	35
20	Evaluation of subconjunctival liposomal steroids for the treatment of experimental uveitis. <i>Scientific Reports</i> , 2018, 8, 6604.	1.6	33
21	Extracellular vesicles in cardiovascular disease. <i>Advances in Clinical Chemistry</i> , 2021, 103, 47-95.	1.8	33
22	Synthesis and Biodistribution Studies of ³ H- and ⁶⁴ Cu-Labeled Dendritic Polyglycerol and Dendritic Polyglycerol Sulfate. <i>Bioconjugate Chemistry</i> , 2015, 26, 906-918.	1.8	32
23	A Pan Photoaffinity Probe for Detecting Active Forms of Matrix Metalloproteinases. <i>ChemBioChem</i> , 2013, 14, 107-114.	1.3	28
24	Molecular Determinants of Matrix Metalloproteinase-12 Covalent Modification by a Photoaffinity Probe. <i>Journal of Biological Chemistry</i> , 2008, 283, 31058-31067.	1.6	27
25	Crystal structures of highly specific phosphinic tripeptide enantiomers in complex with the angiotensin ^I converting enzyme. <i>FEBS Journal</i> , 2014, 281, 943-956.	2.2	27
26	Zinc ^{II} Metalloproteinase Inhibitors: Evaluation of the Complex Role Played by the Zinc-Binding Group on Potency and Selectivity. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 403-414.	2.9	27
27	Practical Use of Glycerol in Protein Crystallization. <i>Crystal Growth and Design</i> , 2011, 11, 2755-2762.	1.4	25
28	<p>Nanocarriers for Stroke Therapy: Advances and Obstacles in Translating Animal Studies</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 445-464.	3.3	25
29	Halogen Bonding Controls Selectivity of FRET Substrate Probes for MMP-9. <i>Chemistry and Biology</i> , 2014, 21, 408-413.	6.2	24
30	Dual ⁺ Targeting Dual ⁻ Action Platinum(IV) Platform for Enhanced Anticancer Activity and Reduced Nephrotoxicity. <i>Angewandte Chemie</i> , 2019, 131, 8193-8198.	1.6	24
31	Detection of Matrix Metalloproteinase Active Forms in Complex Proteomes: Evaluation of Affinity versus Photoaffinity Capture. <i>Journal of Proteome Research</i> , 2009, 8, 2484-2494.	1.8	22
32	Liposomal Nanotherapy for Treatment of Atherosclerosis. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000465.	3.9	20
33	Extracellular Vesicle (EV) biohybrid systems for cancer therapy: Recent advances and future perspectives. <i>Seminars in Cancer Biology</i> , 2021, 74, 45-61.	4.3	19
34	In vitro controlled release of cisplatin from gold-carbon nanobottles via cleavable linkages. <i>International Journal of Nanomedicine</i> , 2015, 10, 7425.	3.3	16
35	Metalloprotease inhibitor TIMP proteins control FGF-2 bioavailability and regulate skeletal growth. <i>Journal of Cell Biology</i> , 2019, 218, 3134-3152.	2.3	16
36	nCVTs: a hybrid smart tumour targeting platform. <i>Nanoscale</i> , 2018, 10, 6812-6819.	2.8	15

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37	Screening Using Polymorphs for the Crystallization of Proteinâ€“Ligand Complexes. <i>Crystal Growth and Design</i> , 2013, 13, 1878-1888.	1.4	14
38	Covalent Modification of Matrix Metalloproteinases by a Photoaffinity Probe: Influence of Nucleophilicity and Flexibility of the Residue in Position 241. <i>Bioconjugate Chemistry</i> , 2009, 20, 367-375.	1.8	12
39	Microfluidic-directed self-assembly of liposomes: Role of interdigitation. <i>Journal of Colloid and Interface Science</i> , 2020, 578, 47-57.	5.0	11
40	Sex Steroids Induce Membrane Stress Responses and Virulence Properties in <i>Pseudomonas aeruginosa</i> . <i>MBio</i> , 2020, 11, .	1.8	10
41	Targeting efficiency of nanoliposomes on atherosclerotic foam cells: polyethylene glycol-to-ligand ratio effects. <i>Expert Opinion on Drug Delivery</i> , 2020, 17, 1165-1176.	2.4	10
42	Detection of Endogenous Matrix Metalloprotease-12 Active Form with a Novel Broad Spectrum Activity-based Probe*. <i>Journal of Biological Chemistry</i> , 2013, 288, 5636-5644.	1.6	9
43	Lyophilization Preserves the Intrinsic Cardioprotective Activity of Bioinspired Cell-Derived Nanovesicles. <i>Pharmaceutics</i> , 2021, 13, 1052.	2.0	9
44	Cell-Derived Nanovesicles as Exosome-Mimetics for Drug Delivery Purposes: Uses and Recommendations. <i>Methods in Molecular Biology</i> , 2021, 2211, 147-170.	0.4	9
45	Synthesis, in vitro screening and in vivo evaluation of cyclic RGD analogs cyclized through oxorhenium and oxotechnetium coordination. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 1779-1788.	2.6	7
46	Fusion of [18F]FDG PET with Fluorescence Diffuse Optical Tomography to Improve Validation of Probes and Tumor Imaging. <i>Molecular Imaging and Biology</i> , 2013, 15, 316-325.	1.3	7
47	Oxorheniumâ€“Mediated Assembly of Noncyclic Selective Integrin Antagonists: A Combinatorial Approach. <i>ChemBioChem</i> , 2011, 12, 583-592.	1.3	6
48	Synthesis and biological evaluation of a new triazoleâ€“oxotechnetium complex. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 6484.	1.5	6
49	Effects of selective MMP-13 inhibition in squamous cell carcinoma depend on estrogen. <i>International Journal of Cancer</i> , 2014, 135, 2749-2759.	2.3	6
50	Micro cell vesicle technology (mCVT): a novel hybrid system of gene delivery for hard-to-transfect (HTT) cells. <i>Nanoscale</i> , 2020, 12, 18022-18030.	2.8	5
51	ZnO Nano-Rod Devices for Intra-dermal Delivery and Immunization. <i>Nanomaterials</i> , 2017, 7, 147.	1.9	4
52	Precision nanomedicine in atherosclerosis therapy: how far are we from reality?. <i>Precision Nanomedicine</i> , 2018, 2, 230-244.	0.4	3