

# Peter R Panizzi

## List of Publications by Year in descending order

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69  
papers

6,927  
citations

186265

28  
h-index

144013

57  
g-index

72  
all docs

72  
docs citations

72  
times ranked

9872  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mapping of the fibrinogen-binding site on the staphylocoagulase C-terminal repeat region. <i>Journal of Biological Chemistry</i> , 2022, 298, 101493.	3.4	1
2	Cerebrospinal fluid can exit into the skull bone marrow and instruct cranial hematopoiesis in mice with bacterial meningitis. <i>Nature Neuroscience</i> , 2022, 25, 567-576.	14.8	72
3	Tunable three-dimensional engineered prostate cancer tissues for in vitro recapitulation of heterogeneous in vivo prostate tumor stiffness. <i>Acta Biomaterialia</i> , 2022, 147, 73-90.	8.3	3
4	Sugar Shock: Probing <i>Streptococcus pyogenes</i> Metabolism Through Bioluminescence Imaging. <i>Frontiers in Microbiology</i> , 2022, 13, .	3.5	0
5	Recent Advances in Lipid-Based Nanovesicular Delivery Systems for Melanoma Therapy. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , 2021, 38, 1-38.	2.2	7
6	Spontaneous <i>In Vitro</i> and <i>In Vivo</i> Interaction of ( $\alpha^{\sim}$ )-Oleocanthal with Glycine in Biological Fluids: Novel Pharmacokinetic Markers. <i>ACS Pharmacology and Translational Science</i> , 2021, 4, 179-192.	4.9	9
7	<i>Bacillus velezensis</i> AP183 Inhibits <i>Staphylococcus aureus</i> Biofilm Formation and Proliferation in Murine and Bovine Disease Models. <i>Frontiers in Microbiology</i> , 2021, 12, 746410.	3.5	6
8	Estimating the Center of Rotation of Tomographic Imaging Systems with a Limited Number of Projections. , 2021, 2021, 3157-3160.		2
9	Quantitative, real-time in vivo tracking of magnetic nanoparticles using multispectral optoacoustic tomography (MSOT) imaging. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 178, 112951.	2.8	10
10	Design and implementation of a molecular imaging elective for third-year pharmacy students. <i>Currents in Pharmacy Teaching and Learning</i> , 2020, 12, 132-141.	1.0	1
11	Multimodal imaging of bacterial-host interface in mice and piglets with <i>Staphylococcus aureus</i> endocarditis. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	6
12	Co-Delivery of Hispolon and Doxorubicin Liposomes Improves Efficacy Against Melanoma Cells. <i>AAPS PharmSciTech</i> , 2020, 21, 304.	3.3	15
13	Specificity and affinity of the N-terminal residues in staphylocoagulase in binding to prothrombin. <i>Journal of Biological Chemistry</i> , 2020, 295, 5614-5625.	3.4	4
14	The Cardioprotective Mechanism of Phenylaminoethyl Selenides (PAESe) Against Doxorubicin-Induced Cardiotoxicity Involves Frataxin. <i>Frontiers in Pharmacology</i> , 2020, 11, 574656.	3.5	9
15	Deep tissue imaging of B16 melanoma in mice by Multispectral Optoacoustic Tomography. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0
16	Role of PLA2R1 and sPLA2 on Drug Release and Uptake of Liposome Nanoparticles in Prostate Cancer. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	1
17	Real-time Monitoring of <i>Staphylococcus aureus</i> Biofilm Formation Under Flow Condition in Microfluidic Chambers. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0
18	Abstract 2985: Identifying uptake and biodistribution of liposome nanoparticles associated with secreted phospholipase A <sub>2</sub> proteins and PLA <sub>2</sub> receptors within a prostate cancer. , 2019, , .		0

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19	Correlation of 360-degree Surface Mapping In Vivo Bioluminescence with Multi-Spectral Optoacoustic Tomography in Human Xenograft Tumor Models. <i>Scientific Reports</i> , 2018, 8, 3321.	3.3	4
20	Biodistribution and toxicity assessment of photoactivatable antibody-conjugated, antibiotic loaded gold nanocages for the treatment of bacterial infections (Conference Presentation). , 2018, , .		0
21	Nanoparticle-based probes to enable noninvasive imaging of proteolytic activity for cancer diagnosis. <i>Nanomedicine</i> , 2016, 11, 2007-2022.	3.3	14
22	Complete genome of <i>Staphylococcus aureus</i> Tager 104 provides evidence of its relation to modern systemic hospital-acquired strains. <i>BMC Genomics</i> , 2016, 17, 179.	2.8	6
23	Methods for measuring myeloperoxidase activity toward assessing inhibitor efficacy in living systems. <i>Journal of Leukocyte Biology</i> , 2016, 99, 541-548.	3.3	47
24	Pathogen activators of plasminogen. <i>Journal of Thrombosis and Haemostasis</i> , 2015, 13, S106-S114.	3.8	30
25	Physiological Basis for Differential Selectivity of Four Grass Species to Aminocyclopyrachlor. <i>Weed Science</i> , 2015, 63, 788-798.	1.5	3
26	Inactivation of myeloperoxidase by benzoic acid hydrazide. <i>Archives of Biochemistry and Biophysics</i> , 2015, 570, 14-22.	3.0	16
27	In Vivo Tracking of Streptococcal Infections of Subcutaneous Origin in a Murine Model. <i>Molecular Imaging and Biology</i> , 2015, 17, 793-801.	2.6	4
28	Characterisation of the metabolites of an antibacterial endophyte <i>Botryodiplodia theobromae</i> Pat. of <i>Dracaena draco</i> L. by LC-MS/MS. <i>Natural Product Research</i> , 2015, 29, 2275-2281.	1.8	35
29	Ordered cleavage of myeloperoxidase ester bonds releases active site heme leading to inactivation of myeloperoxidase by benzoic acid hydrazide analogs. <i>Archives of Biochemistry and Biophysics</i> , 2014, 548, 74-85.	3.0	17
30	Endocarditis and molecular imaging. <i>Journal of Nuclear Cardiology</i> , 2014, 21, 486-495.	2.1	11
31	Differential Contribution of Monocytes to Heart Macrophages in Steady-State and After Myocardial Infarction. <i>Circulation Research</i> , 2014, 115, 284-295.	4.5	453
32	Molecular Imaging of Bacterial Infections in vivo: The Discrimination between Infection and Inflammation. <i>Informatics</i> , 2014, 1, 72-99.	3.9	32
33	Angiotensin II Drives the Production of Tumor-Promoting Macrophages. <i>Immunity</i> , 2013, 38, 296-308.	14.3	157
34	Complete Genome Sequence of <i>Staphylococcus aureus</i> Tager 104, a Sequence Type 49 Ancestor. <i>Genome Announcements</i> , 2013, 1, .	0.8	8
35	Vasculitis: Molecular Imaging by Targeting the Inflammatory Enzyme Myeloperoxidase. <i>Radiology</i> , 2012, 262, 181-190.	7.3	23
36	Rapid monocyte kinetics in acute myocardial infarction are sustained by extramedullary monocytopoiesis. <i>Journal of Experimental Medicine</i> , 2012, 209, 123-137.	8.5	435

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37	In vivo detection of Staphylococcus aureus endocarditis by targeting pathogen-specific prothrombin activation. Nature Medicine, 2011, 17, 1142-1146.	30.7	144
38	Therapeutic siRNA silencing in inflammatory monocytes in mice. Nature Biotechnology, 2011, 29, 1005-1010.	17.5	697
39	Engineering streptokinase for generation of active site-labeled plasminogen analogs. Analytical Biochemistry, 2011, 415, 105-115.	2.4	3
40	Active Site-labeled Prothrombin Inhibits Prothrombinase in Vitro and Thrombosis in Vivo. Journal of Biological Chemistry, 2011, 286, 23345-23356.	3.4	17
41	Spatial Distribution of Factor Xa, Thrombin, and Fibrin(ogen) on Thrombi at Venous Shear. PLoS ONE, 2010, 5, e10415.	2.5	69
42	Angiotensin-Converting Enzyme Inhibition Prevents the Release of Monocytes From Their Splenic Reservoir in Mice With Myocardial Infarction. Circulation Research, 2010, 107, 1364-1373.	4.5	198
43	Skizzle Is a Novel Plasminogen- and Plasmin-binding Protein from Streptococcus agalactiae That Targets Proteins of Human Fibrinolysis to Promote Plasmin Generation. Journal of Biological Chemistry, 2010, 285, 21153-21164.	3.4	22
44	Staphylocoagulase. , 2010, , 575-590.		0
45	Impaired Infarct Healing in Atherosclerotic Mice With Ly-6ChiMonocytosis. Journal of the American College of Cardiology, 2010, 55, 1629-1638.	2.8	281
46	Myeloperoxidase-rich Ly-6C+ myeloid cells infiltrate allografts and contribute to an imaging signature of organ rejection in mice. Journal of Clinical Investigation, 2010, 120, 2627-2634.	8.2	90
47	Plasminogen Substrate Recognition by the Streptokinase-Plasminogen Catalytic Complex Is Facilitated by Arg253, Lys256, and Lys257 in the Streptokinase I <sup>2</sup> -Domain and Kringle 5 of the Substrate. Journal of Biological Chemistry, 2009, 284, 19511-19521.	3.4	27
48	Von Willebrand factor-binding protein is a hysteretic conformational activator of prothrombin. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7786-7791.	7.1	84
49	Molecular MRI Detects Low Levels of Cardiomyocyte Apoptosis in a Transgenic Model of Chronic Heart Failure. Circulation: Cardiovascular Imaging, 2009, 2, 468-475.	2.6	50
50	Hybrid In Vivo FMT-CT Imaging of Protease Activity in Atherosclerosis With Customized Nanosensors. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 1444-1451.	2.4	161
51	18F-4V for PET-CT Imaging of VCAM-1 Expression in Atherosclerosis. JACC: Cardiovascular Imaging, 2009, 2, 1213-1222.	5.3	197
52	Oxazine Conjugated Nanoparticle Detects in Vivo Hypochlorous Acid and Peroxynitrite Generation. Journal of the American Chemical Society, 2009, 131, 15739-15744.	13.7	165
53	Identification of Splenic Reservoir Monocytes and Their Deployment to Inflammatory Sites. Science, 2009, 325, 612-616.	12.6	1,806
54	Nanoparticle PET-CT Imaging of Macrophages in Inflammatory Atherosclerosis. Circulation, 2008, 117, 379-387.	1.6	524

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55	Activatable Magnetic Resonance Imaging Agent Reports Myeloperoxidase Activity in Healing Infarcts and Noninvasively Detects the Antiinflammatory Effects of Atorvastatin on Ischemia-Reperfusion Injury. <i>Circulation</i> , 2008, 117, 1153-1160.	1.6	178
56	Conformational Activation of Zymogen-Like Thrombin Variants by Tight Binding Ligands. <i>Blood</i> , 2008, 112, 3070-3070.	1.4	0
57	Segregation of Platelet Aggregatory and Procoagulant Microdomains in Thrombus Formation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007, 27, 2484-2490.	2.4	137
58	Restricted Active Site Docking by Enzyme-bound Substrate Enforces the Ordered Cleavage of Prothrombin by Prothrombinase. <i>Journal of Biological Chemistry</i> , 2007, 282, 32974-32982.	3.4	13
59	Exosites in the substrate specificity of blood coagulation reactions. <i>Journal of Thrombosis and Haemostasis</i> , 2007, 5, 81-94.	3.8	137
60	Binding of the COOH-terminal Lysine Residue of Streptokinase to Plasmin(ogen) Kringles Enhances Formation of the Streptokinase-Plasmin(ogen) Catalytic Complexes. <i>Journal of Biological Chemistry</i> , 2006, 281, 26774-26778.	3.4	26
61	Novel Fluorescent Prothrombin Analogs as Probes of Staphylocoagulase-Prothrombin Interactions. <i>Journal of Biological Chemistry</i> , 2006, 281, 1169-1178.	3.4	33
62	Structural Basis for Reduced Staphylocoagulase-mediated Bovine Prothrombin Activation. <i>Journal of Biological Chemistry</i> , 2006, 281, 1188-1195.	3.4	19
63	ID: 334 von Willebrand Factor Binding Protein is a Novel Conformational Activator of Prothrombin that Functions Through a Substrate-assisted Molecular Sexuality Mechanism. <i>Journal of Thrombosis and Haemostasis</i> , 2006, 4, 117-117.	3.8	0
64	Fibrinogen Substrate Recognition by Staphylocoagulase-(Pro)thrombin Complexes. <i>Journal of Biological Chemistry</i> , 2006, 281, 1179-1187.	3.4	56
65	Identification and Characterization of a Sodium Ion Binding Site on the Staphylocoagulase-Prothrombin Complex. <i>Blood</i> , 2006, 108, 1700-1700.	1.4	0
66	<i>Streptococcus pyogenes</i> Fibronectin-Binding Protein Is a Novel Prothrombin Activator. <i>Blood</i> , 2006, 108, 1691-1691.	1.4	0
67	Ratcheting of the substrate from the zymogen to proteinase conformations directs the sequential cleavage of prothrombin by prothrombinase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 10099-10104.	7.1	56
68	The staphylocoagulase family of zymogen activator and adhesion proteins. <i>Cellular and Molecular Life Sciences</i> , 2004, 61, 2793-2798.	5.4	52
69	Staphylocoagulase is a prototype for the mechanism of cofactor-induced zymogen activation. <i>Nature</i> , 2003, 425, 535-539.	27.8	234