

# Dmitri V Krysko

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

99 papers	10,266 citations	50 h-index	101 g-index
104 ext. papers	12,690 ext. citations	8.4 avg, IF	6.43 L-index

#	Paper	IF	Citations
99	Immunogenic cell death and DAMPs in cancer therapy. <i>Nature Reviews Cancer</i> , <b>2012</b> , 12, 860-75	31.3	1165
98	Necroptosis: the release of damage-associated molecular patterns and its physiological relevance. <i>Immunity</i> , <b>2013</b> , 38, 209-23	32.3	797
97	Consensus guidelines for the detection of immunogenic cell death. <i>OncotImmunology</i> , <b>2014</b> , 3, e955691	7.2	524
96	A novel pathway combining calreticulin exposure and ATP secretion in immunogenic cancer cell death. <i>EMBO Journal</i> , <b>2012</b> , 31, 1062-79	13	474
95	Emerging role of damage-associated molecular patterns derived from mitochondria in inflammation. <i>Trends in Immunology</i> , <b>2011</b> , 32, 157-64	14.4	466
94	Apoptosis and necrosis: detection, discrimination and phagocytosis. <i>Methods</i> , <b>2008</b> , 44, 205-21	4.6	465
93	Ferroptosis at the crossroads of cancer-acquired drug resistance and immune evasion. <i>Nature Reviews Cancer</i> , <b>2019</b> , 19, 405-414	31.3	371
92	ER stress-induced inflammation: does it aid or impede disease progression?. <i>Trends in Molecular Medicine</i> , <b>2012</b> , 18, 589-98	11.5	277
91	Clearance of apoptotic and necrotic cells and its immunological consequences. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , <b>2006</b> , 11, 1709-26	5.4	263
90	Molecular mechanisms and pathophysiology of necrotic cell death. <i>Current Molecular Medicine</i> , <b>2008</b> , 8, 207-20	2.5	255
89	Molecular and Translational Classifications of DAMPs in Immunogenic Cell Death. <i>Frontiers in Immunology</i> , <b>2015</b> , 6, 588	8.4	239
88	Immunogenic cell death, DAMPs and anticancer therapeutics: an emerging amalgamation. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , <b>2010</b> , 1805, 53-71	11.2	227
87	Nano-targeted induction of dual ferroptotic mechanisms eradicates high-risk neuroblastoma. <i>Journal of Clinical Investigation</i> , <b>2018</b> , 128, 3341-3355	15.9	215
86	Vaccination with Necroptotic Cancer Cells Induces Efficient Anti-tumor Immunity. <i>Cell Reports</i> , <b>2016</b> , 15, 274-87	10.6	204
85	Connexin-related signaling in cell death: to live or let die?. <i>Cell Death and Differentiation</i> , <b>2009</b> , 16, 524-36	12.7	200
84	Hypericin-based photodynamic therapy induces surface exposure of damage-associated molecular patterns like HSP70 and calreticulin. <i>Cancer Immunology, Immunotherapy</i> , <b>2012</b> , 61, 215-221	7.4	194
83	ROS-induced autophagy in cancer cells assists in evasion from determinants of immunogenic cell death. <i>Autophagy</i> , <b>2013</b> , 9, 1292-307	10.2	187

82	Many faces of DAMPs in cancer therapy. <i>Cell Death and Disease</i> , <b>2013</b> , 4, e631	9.8	169
81	Determination of apoptotic and necrotic cell death in vitro and in vivo. <i>Methods</i> , <b>2013</b> , 61, 117-29	4.6	163
80	Phagocytosis of necrotic cells by macrophages is phosphatidylserine dependent and does not induce inflammatory cytokine production. <i>Molecular Biology of the Cell</i> , <b>2004</b> , 15, 1089-100	3.5	162
79	Inducers of immunogenic cancer cell death. <i>Cytokine and Growth Factor Reviews</i> , <b>2013</b> , 24, 319-33	17.9	154
78	Macrophages use different internalization mechanisms to clear apoptotic and necrotic cells. <i>Cell Death and Differentiation</i> , <b>2006</b> , 13, 2011-22	12.7	148
77	Gap junctions and the propagation of cell survival and cell death signals. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , <b>2005</b> , 10, 459-69	5.4	147
76	Alternatively activated macrophages and impaired phagocytosis of <i>S. aureus</i> in chronic rhinosinusitis. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , <b>2011</b> , 66, 396-403	9.3	122
75	DAMPs activating innate and adaptive immune responses in COPD. <i>Mucosal Immunology</i> , <b>2014</b> , 7, 215-26	9.2	98
74	DAMPs and PDT-mediated photo-oxidative stress: exploring the unknown. <i>Photochemical and Photobiological Sciences</i> , <b>2011</b> , 10, 670-80	4.2	98
73	ATP release from dying autophagic cells and their phagocytosis are crucial for inflammasome activation in macrophages. <i>PLoS ONE</i> , <b>2012</b> , 7, e40069	3.7	96
72	Cigarette smoke-induced necroptosis and DAMP release trigger neutrophilic airway inflammation in mice. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2016</b> , 310, L377-86	5.8	92
71	BNIP3 supports melanoma cell migration and vasculogenic mimicry by orchestrating the actin cytoskeleton. <i>Cell Death and Disease</i> , <b>2014</b> , 5, e1127	9.8	92
70	Methods for distinguishing apoptotic from necrotic cells and measuring their clearance. <i>Methods in Enzymology</i> , <b>2008</b> , 442, 307-41	1.7	92
69	Necroptotic cell death in anti-cancer therapy. <i>Immunological Reviews</i> , <b>2017</b> , 280, 207-219	11.3	87
68	TLR-2 and TLR-9 are sensors of apoptosis in a mouse model of doxorubicin-induced acute inflammation. <i>Cell Death and Differentiation</i> , <b>2011</b> , 18, 1316-25	12.7	87
67	Life and death of female gametes during oogenesis and folliculogenesis. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , <b>2008</b> , 13, 1065-87	5.4	83
66	Immunogenic cell death induced by a new photodynamic therapy based on photosens and photodithazine <b>2019</b> , 7, 350		79
65	The emergence of phox-ER stress induced immunogenic apoptosis. <i>OncolImmunology</i> , <b>2012</b> , 1, 786-788	7.2	77

64	Mitochondrial Cx43 hemichannels contribute to mitochondrial calcium entry and cell death in the heart. <i>Basic Research in Cardiology</i> , <b>2017</b> , 112, 27	11.8	76
63	Severity of doxorubicin-induced small intestinal mucositis is regulated by the TLR-2 and TLR-9 pathways. <i>Journal of Pathology</i> , <b>2012</b> , 226, 598-608	9.4	76
62	The IL-33/ST2 axis is crucial in type 2 airway responses induced by Staphylococcus aureus-derived serine protease-like protein D. <i>Journal of Allergy and Clinical Immunology</i> , <b>2018</b> , 141, 549-559.e7	11.5	73
61	Vaccination with early ferroptotic cancer cells induces efficient antitumor immunity <b>2020</b> , 8,		67
60	Mitochondrial transmembrane potential changes support the concept of mitochondrial heterogeneity during apoptosis. <i>Journal of Histochemistry and Cytochemistry</i> , <b>2001</b> , 49, 1277-84	3.4	65
59	Resistance to anticancer vaccination effect is controlled by a cancer cell-autonomous phenotype that disrupts immunogenic phagocytic removal. <i>Oncotarget</i> , <b>2015</b> , 6, 26841-60	3.3	64
58	Ferroptosis: Oxidized PEs trigger death. <i>Nature Chemical Biology</i> , <b>2017</b> , 13, 4-5	11.7	62
57	From regulation of dying cell engulfment to development of anti-cancer therapy. <i>Cell Death and Differentiation</i> , <b>2008</b> , 15, 29-38	12.7	61
56	Immunogenic Apoptotic Cell Death and Anticancer Immunity. <i>Advances in Experimental Medicine and Biology</i> , <b>2016</b> , 930, 133-49	3.6	60
55	Gap junctional communication and connexin43 expression in relation to apoptotic cell death and survival of granulosa cells. <i>Journal of Histochemistry and Cytochemistry</i> , <b>2004</b> , 52, 1199-207	3.4	58
54	Targeting immunogenic cancer cell death by photodynamic therapy: past, present and future <b>2021</b> , 9,		58
53	Necroptosis: A Novel Cell Death Modality and Its Potential Relevance for Critical Care Medicine. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2016</b> , 194, 415-28	10.2	56
52	Calcium and connexin-based intercellular communication, a deadly catch?. <i>Cell Calcium</i> , <b>2011</b> , 50, 310-214		55
51	Mechanisms of internalization of apoptotic and necrotic L929 cells by a macrophage cell line studied by electron microscopy. <i>Journal of Morphology</i> , <b>2003</b> , 258, 336-45	1.6	50
50	High-throughput fabrication of vascularized spheroids for bioprinting. <i>Biofabrication</i> , <b>2018</b> , 10, 035009	10.5	50
49	Transfer of IPI through gap junctions is critical, but not sufficient, for the spread of apoptosis. <i>Cell Death and Differentiation</i> , <b>2012</b> , 19, 947-57	12.7	46
48	Therapeutic Targeting of Connexin Channels: New Views and Challenges. <i>Trends in Molecular Medicine</i> , <b>2018</b> , 24, 1036-1053	11.5	45
47	Peroxisomal multifunctional protein-2 deficiency causes neuroinflammation and degeneration of Purkinje cells independent of very long chain fatty acid accumulation. <i>Neurobiology of Disease</i> , <b>2013</b> , 58, 258-69	7.5	35

46	Staphylococcus aureus Orchestrates Type 2 Airway Diseases. <i>Trends in Molecular Medicine</i> , <b>2019</b> , 25, 696-707	11.5	32
45	IP3, a small molecule with a powerful message. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2013</b> , 1833, 1772-86	4.9	32
44	Calcium, oxidative stress and connexin channels, a harmonious orchestra directing the response to radiotherapy treatment?. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2017</b> , 1864, 1099-1120	4.9	31
43	A real-time fluorometric method for the simultaneous detection of cell death type and rate. <i>Nature Protocols</i> , <b>2016</b> , 11, 1444-54	18.8	31
42	Extracellular ATP and P2X <sub>7</sub> Receptor exert context-specific immunogenic effects after immunogenic cancer cell death. <i>Cell Death and Disease</i> , <b>2016</b> , 7, e2097	9.8	29
41	Impairment of phagocytosis of apoptotic cells and its role in chronic airway diseases. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , <b>2010</b> , 15, 1137-46	5.4	29
40	Clearance of dead cells: mechanisms, immune responses and implication in the development of diseases. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , <b>2010</b> , 15, 995-7	5.4	28
39	Macrophages regulate the clearance of living cells by calreticulin. <i>Nature Communications</i> , <b>2018</b> , 9, 4644	17.4	28
38	At the cross-point of connexins, calcium, and ATP: blocking hemichannels inhibits vasoconstriction of rat small mesenteric arteries. <i>Cardiovascular Research</i> , <b>2017</b> , 113, 195-206	9.9	26
37	Cell surface-expressed phosphatidylserine as therapeutic target to enhance phagocytosis of apoptotic cells. <i>Cell Death and Differentiation</i> , <b>2013</b> , 20, 49-56	12.7	25
36	Necroptosis in Immuno-Oncology and Cancer Immunotherapy. <i>Cells</i> , <b>2020</b> , 9,	7.9	25
35	Low concentration of uncouplers of oxidative phosphorylation decreases the TNF-induced endothelial permeability and lethality in mice. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2017</b> , 1863, 968-977	6.9	24
34	Redox (phospho)lipidomics of signaling in inflammation and programmed cell death. <i>Journal of Leukocyte Biology</i> , <b>2019</b> , 106, 57-81	6.5	22
33	Protease/antiprotease network in allergy: The role of Staphylococcus aureus protease-like proteins. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , <b>2019</b> , 74, 2077-2086	9.3	21
32	An emerging role for nanomaterials in increasing immunogenicity of cancer cell death. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , <b>2019</b> , 1871, 99-108	11.2	20
31	Immunodominant AH1 Antigen-Deficient Necroptotic, but Not Apoptotic, Murine Cancer Cells Induce Antitumor Protection. <i>Journal of Immunology</i> , <b>2020</b> , 204, 775-787	5.3	19
30	Ferroptosis and Photodynamic Therapy Synergism: Enhancing Anticancer Treatment. <i>Trends in Cancer</i> , <b>2021</b> , 7, 484-487	12.5	18
29	AFM Analysis Enables Differentiation between Apoptosis, Necroptosis, and Ferroptosis in Murine Cancer Cells. <i>IScience</i> , <b>2020</b> , 23, 101816	6.1	16

28	Cx43 channels and signaling via IP/Ca, ATP, and ROS/NO propagate radiation-induced DNA damage to non-irradiated brain microvascular endothelial cells. <i>Cell Death and Disease</i> , <b>2020</b> , 11, 194	9.8	14
27	Noninvasive Whole-Body Imaging of Phosphatidylethanolamine as a Cell Death Marker Using Tc-Duramycin During TNF-Induced SIRS. <i>Journal of Nuclear Medicine</i> , <b>2018</b> , 59, 1140-1145	8.9	14
26	Blocking connexin43 hemichannels protects mice against tumour necrosis factor-induced inflammatory shock. <i>Scientific Reports</i> , <b>2019</b> , 9, 16623	4.9	14
25	The adjuvant-like activity of staphylococcal enterotoxin B in a murine asthma model is independent of IL-1R signaling. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , <b>2013</b> , 68, 446-53	9.3	11
24	Wavelet modeling and prediction of the stability of states: the Roman Empire and the European Union. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2015</b> , 26, 265-275	3.7	10
23	Growth inhibition of pancreatic cancer by experimental treatment with 4-phenylbutyrate is associated with increased expression of Connexin 43. <i>Oncology Research</i> , <b>2012</b> , 20, 103-11	4.8	10
22	TNF/TNF-R1 pathway is involved in doxorubicin-induced acute sterile inflammation. <i>Cell Death and Disease</i> , <b>2013</b> , 4, e961	9.8	10
21	Targeting topoisomerase II with tryptanthrin derivatives: Discovery of 7-((2-(dimethylamino)ethyl)amino)indolo[2,1-b]quinazoline-6,12-dione as an antiproliferative agent and to treat cancer. <i>European Journal of Medicinal Chemistry</i> , <b>2020</b> , 202, 112504	6.8	9
20	Classification of analytics, sensorics, and bioanalytics with polyelectrolyte multilayer capsules. <i>Analytical and Bioanalytical Chemistry</i> , <b>2020</b> , 412, 5015-5029	4.4	9
19	Novel porphyrazine-based photodynamic anti-cancer therapy induces immunogenic cell death. <i>Scientific Reports</i> , <b>2021</b> , 11, 7205	4.9	9
18	A 3D Cell Death Assay to Quantitatively Determine Ferroptosis in Spheroids. <i>Cells</i> , <b>2020</b> , 9,	7.9	8
17	Curcumin-1,2,3-Triazole Conjugation for Targeting the Cancer Apoptosis Machinery. <i>Molecules</i> , <b>2020</b> , 25,	4.8	7
16	Lipid homeostasis and inflammatory activation are disturbed in classically activated macrophages with peroxisomal $\beta$ -oxidation deficiency. <i>Immunology</i> , <b>2018</b> , 153, 342-356	7.8	7
15	Mitotic catastrophe as a prestage to necrosis in mouse liver cells treated with <i>Helicobacter pullorum</i> sonicates. <i>Journal of Morphology</i> , <b>2009</b> , 270, 921-8	1.6	7
14	Immunogenic ferroptosis and where to find it? <b>2021</b> , 9,		6
13	Effect of novel porphyrazine photosensitizers on normal and tumor brain cells. <i>Journal of Biophotonics</i> , <b>2020</b> , 13, e201960077	3.1	6
12	Which cell death modality wins the contest for photodynamic therapy of cancer?. <i>Cell Death and Disease</i> , <b>2022</b> , 13, 455	9.8	5
11	Effect of Photosensitizers Photosens, Photodithazine and Hypericin on Glioma Blls and Primary Neuronal Cultures: a Comparative Analysis. <i>Sovremennye Tehnologii V Medicine</i> , <b>2019</b> , 11, 52	1.2	4

10	Deep learning with digital holographic microscopy discriminates apoptosis and necroptosis. <i>Cell Death Discovery</i> , <b>2021</b> , 7, 229	6.9	4
9	Mouse Strain-Dependent Difference Toward the Allergen Serine Protease-Like Protein D Reveals a Novel Regulator of IL-33. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 582044	8.4	3
8	Artificial Intelligence Predicts Severity of COVID-19 Based on Correlation of Exaggerated Monocyte Activation, Excessive Organ Damage and Hyperinflammatory Syndrome: A Prospective Clinical Study. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 715072	8.4	3
7	Phagocytosis of Dying Cells: From Molecular Mechanisms to Human Diseases <b>2009</b> ,		3
6	ER Stress and Inflammation <b>2012</b> , 257-279		2
5	Molecular Pathways of Different Types of Cell Death: Many Roads to Death <b>2009</b> , 3-31		2
4	Immunogenic Cell Death and Emission of Damps: Calreticulin and ATP. <i>Journal of Nanomedicine &amp; Biotherapeutic Discovery</i> , <b>2012</b> , 2,		2
3	Contribution of ER Stress to Immunogenic Cancer Cell Death <b>2012</b> , 413-428		1
2	Encapsulation of cells in gold nanoparticle functionalized hybrid Layer-by-Layer (LbL) hybrid shells □ Remote effect of laser light. <i>Applied Surface Science Advances</i> , <b>2021</b> , 5, 100111	2.6	1
1	Impact of the histone deacetylase inhibitor 4-phenylbutyrate on the clearance of apoptotic pancreatic carcinoma cells by human macrophages. <i>International Journal of Oncology</i> , <b>2012</b> , 40, 427-35	4.4	