

Dmitri V Krysko

List of Publications by Year in Descending Order

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Version: 2024-04-11

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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.

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|--------------------|--------------------------|----------------|-----------------|
| 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 | Which cell death modality wins the contest for photodynamic therapy of cancer?. <i>Cell Death and Disease</i> , 2022 , 13, 455 | 9.8 | 5 |
| 98 | Immunogenic ferroptosis and where to find it? 2021 , 9, | | 6 |
| 97 | Novel porphyrazine-based photodynamic anti-cancer therapy induces immunogenic cell death. <i>Scientific Reports</i> , 2021 , 11, 7205 | 4.9 | 9 |
| 96 | Ferroptosis and Photodynamic Therapy Synergism: Enhancing Anticancer Treatment. <i>Trends in Cancer</i> , 2021 , 7, 484-487 | 12.5 | 18 |
| 95 | Targeting immunogenic cancer cell death by photodynamic therapy: past, present and future 2021 , 9, | | 58 |
| 94 | 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> , 2021 , 12, 715072 | 8.4 | 3 |
| 93 | Deep learning with digital holographic microscopy discriminates apoptosis and necroptosis. <i>Cell Death Discovery</i> , 2021 , 7, 229 | 6.9 | 4 |
| 92 | 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> , 2021 , 5, 100111 | 2.6 | 1 |
| 91 | A 3D Cell Death Assay to Quantitatively Determine Ferroptosis in Spheroids. <i>Cells</i> , 2020 , 9, | 7.9 | 8 |
| 90 | 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> , 2020 , 11, 194 | 9.8 | 14 |
| 89 | Curcumin-1,2,3-Triazole Conjugation for Targeting the Cancer Apoptosis Machinery. <i>Molecules</i> , 2020 , 25, | 4.8 | 7 |
| 88 | 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> , 2020 , 202, 112504 | 6.8 | 9 |
| 87 | Classification of analytics, sensorics, and bioanalytics with polyelectrolyte multilayer capsules. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 5015-5029 | 4.4 | 9 |
| 86 | Immunodominant AH1 Antigen-Deficient Necroptotic, but Not Apoptotic, Murine Cancer Cells Induce Antitumor Protection. <i>Journal of Immunology</i> , 2020 , 204, 775-787 | 5.3 | 19 |
| 85 | AFM Analysis Enables Differentiation between Apoptosis, Necroptosis, and Ferroptosis in Murine Cancer Cells. <i>iScience</i> , 2020 , 23, 101816 | 6.1 | 16 |
| 84 | Vaccination with early ferroptotic cancer cells induces efficient antitumor immunity 2020 , 8, | | 67 |
| 83 | Necroptosis in Immuno-Oncology and Cancer Immunotherapy. <i>Cells</i> , 2020 , 9, | 7.9 | 25 |

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| 82 | Mouse Strain-Dependent Difference Toward the Allergen Serine Protease-Like Protein D Reveals a Novel Regulator of IL-33. <i>Frontiers in Immunology</i> , 2020 , 11, 582044 | 8.4 | 3 |
| 81 | Effect of novel porphyrazine photosensitizers on normal and tumor brain cells. <i>Journal of Biophotonics</i> , 2020 , 13, e201960077 | 3.1 | 6 |
| 80 | Staphylococcus aureus Orchestrates Type 2 Airway Diseases. <i>Trends in Molecular Medicine</i> , 2019 , 25, 696-707 | 11.5 | 32 |
| 79 | Redox (phospho)lipidomics of signaling in inflammation and programmed cell death. <i>Journal of Leukocyte Biology</i> , 2019 , 106, 57-81 | 6.5 | 22 |
| 78 | Ferroptosis at the crossroads of cancer-acquired drug resistance and immune evasion. <i>Nature Reviews Cancer</i> , 2019 , 19, 405-414 | 31.3 | 371 |
| 77 | Protease/antiprotease network in allergy: The role of Staphylococcus aureus protease-like proteins. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2019 , 74, 2077-2086 | 9.3 | 21 |
| 76 | Effect of Photosensitizers Photosens, Photodithazine and Hypericin on Glioma Blls and Primary Neuronal Cultures: a Comparative Analysis. <i>Sovremennye Tehnologii V Medicine</i> , 2019 , 11, 52 | 1.2 | 4 |
| 75 | Blocking connexin43 hemichannels protects mice against tumour necrosis factor-induced inflammatory shock. <i>Scientific Reports</i> , 2019 , 9, 16623 | 4.9 | 14 |
| 74 | Immunogenic cell death induced by a new photodynamic therapy based on photosens and photodithazine 2019 , 7, 350 | | 79 |
| 73 | An emerging role for nanomaterials in increasing immunogenicity of cancer cell death. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2019 , 1871, 99-108 | 11.2 | 20 |
| 72 | Noninvasive Whole-Body Imaging of Phosphatidylethanolamine as a Cell Death Marker Using Tc-Duramycin During TNF-Induced SIRS. <i>Journal of Nuclear Medicine</i> , 2018 , 59, 1140-1145 | 8.9 | 14 |
| 71 | 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> , 2018 , 141, 549-559.e7 | 11.5 | 73 |
| 70 | Lipid homeostasis and inflammatory activation are disturbed in classically activated macrophages with peroxisomal oxidation deficiency. <i>Immunology</i> , 2018 , 153, 342-356 | 7.8 | 7 |
| 69 | Therapeutic Targeting of Connexin Channels: New Views and Challenges. <i>Trends in Molecular Medicine</i> , 2018 , 24, 1036-1053 | 11.5 | 45 |
| 68 | Macrophages regulate the clearance of living cells by calreticulin. <i>Nature Communications</i> , 2018 , 9, 4644 | 17.4 | 28 |
| 67 | Nano-targeted induction of dual ferroptotic mechanisms eradicates high-risk neuroblastoma. <i>Journal of Clinical Investigation</i> , 2018 , 128, 3341-3355 | 15.9 | 215 |
| 66 | High-throughput fabrication of vascularized spheroids for bioprinting. <i>Biofabrication</i> , 2018 , 10, 035009 | 10.5 | 50 |
| 65 | 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> , 2017 , 1863, 968-977 | 6.9 | 24 |

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| 64 | Calcium, oxidative stress and connexin channels, a harmonious orchestra directing the response to radiotherapy treatment?. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017 , 1864, 1099-1120 | 4.9 | 31 |
| 63 | Mitochondrial Cx43 hemichannels contribute to mitochondrial calcium entry and cell death in the heart. <i>Basic Research in Cardiology</i> , 2017 , 112, 27 | 11.8 | 76 |
| 62 | Necroptotic cell death in anti-cancer therapy. <i>Immunological Reviews</i> , 2017 , 280, 207-219 | 11.3 | 87 |
| 61 | Ferroptosis: Oxidized PEs trigger death. <i>Nature Chemical Biology</i> , 2017 , 13, 4-5 | 11.7 | 62 |
| 60 | At the cross-point of connexins, calcium, and ATP: blocking hemichannels inhibits vasoconstriction of rat small mesenteric arteries. <i>Cardiovascular Research</i> , 2017 , 113, 195-206 | 9.9 | 26 |
| 59 | Immunogenic Apoptotic Cell Death and Anticancer Immunity. <i>Advances in Experimental Medicine and Biology</i> , 2016 , 930, 133-49 | 3.6 | 60 |
| 58 | A real-time fluorometric method for the simultaneous detection of cell death type and rate. <i>Nature Protocols</i> , 2016 , 11, 1444-54 | 18.8 | 31 |
| 57 | Necroptosis: A Novel Cell Death Modality and Its Potential Relevance for Critical Care Medicine. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016 , 194, 415-28 | 10.2 | 56 |
| 56 | Extracellular ATP and P2X ₇ receptor exert context-specific immunogenic effects after immunogenic cancer cell death. <i>Cell Death and Disease</i> , 2016 , 7, e2097 | 9.8 | 29 |
| 55 | Cigarette smoke-induced necroptosis and DAMP release trigger neutrophilic airway inflammation in mice. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016 , 310, L377-86 | 5.8 | 92 |
| 54 | Vaccination with Necroptotic Cancer Cells Induces Efficient Anti-tumor Immunity. <i>Cell Reports</i> , 2016 , 15, 274-87 | 10.6 | 204 |
| 53 | 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> , 2015 , 26, 265-275 | 3.7 | 10 |
| 52 | Resistance to anticancer vaccination effect is controlled by a cancer cell-autonomous phenotype that disrupts immunogenic phagocytic removal. <i>Oncotarget</i> , 2015 , 6, 26841-60 | 3.3 | 64 |
| 51 | Molecular and Translational Classifications of DAMPs in Immunogenic Cell Death. <i>Frontiers in Immunology</i> , 2015 , 6, 588 | 8.4 | 239 |
| 50 | DAMPs activating innate and adaptive immune responses in COPD. <i>Mucosal Immunology</i> , 2014 , 7, 215-26 | 9.2 | 98 |
| 49 | Consensus guidelines for the detection of immunogenic cell death. <i>Oncotarget</i> , 2014 , 3, e955691 | 7.2 | 524 |
| 48 | BNIP3 supports melanoma cell migration and vasculogenic mimicry by orchestrating the actin cytoskeleton. <i>Cell Death and Disease</i> , 2014 , 5, e1127 | 9.8 | 92 |
| 47 | IP3, a small molecule with a powerful message. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013 , 1833, 1772-86 | 4.9 | 32 |

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|----|--|------|------|
| 46 | 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> , 2013 , 58, 258-69 | 7.5 | 35 |
| 45 | Necroptosis: the release of damage-associated molecular patterns and its physiological relevance. <i>Immunity</i> , 2013 , 38, 209-23 | 32.3 | 797 |
| 44 | Determination of apoptotic and necrotic cell death in vitro and in vivo. <i>Methods</i> , 2013 , 61, 117-29 | 4.6 | 163 |
| 43 | Inducers of immunogenic cancer cell death. <i>Cytokine and Growth Factor Reviews</i> , 2013 , 24, 319-33 | 17.9 | 154 |
| 42 | Cell surface-expressed phosphatidylserine as therapeutic target to enhance phagocytosis of apoptotic cells. <i>Cell Death and Differentiation</i> , 2013 , 20, 49-56 | 12.7 | 25 |
| 41 | ROS-induced autophagy in cancer cells assists in evasion from determinants of immunogenic cell death. <i>Autophagy</i> , 2013 , 9, 1292-307 | 10.2 | 187 |
| 40 | 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> , 2013 , 68, 446-53 | 9.3 | 11 |
| 39 | TNF/TNF-R1 pathway is involved in doxorubicin-induced acute sterile inflammation. <i>Cell Death and Disease</i> , 2013 , 4, e961 | 9.8 | 10 |
| 38 | Many faces of DAMPs in cancer therapy. <i>Cell Death and Disease</i> , 2013 , 4, e631 | 9.8 | 169 |
| 37 | Hypericin-based photodynamic therapy induces surface exposure of damage-associated molecular patterns like HSP70 and calreticulin. <i>Cancer Immunology, Immunotherapy</i> , 2012 , 61, 215-221 | 7.4 | 194 |
| 36 | Growth inhibition of pancreatic cancer by experimental treatment with 4-phenylbutyrate is associated with increased expression of Connexin 43. <i>Oncology Research</i> , 2012 , 20, 103-11 | 4.8 | 10 |
| 35 | Immunogenic cell death and DAMPs in cancer therapy. <i>Nature Reviews Cancer</i> , 2012 , 12, 860-75 | 31.3 | 1165 |
| 34 | A novel pathway combining calreticulin exposure and ATP secretion in immunogenic cancer cell death. <i>EMBO Journal</i> , 2012 , 31, 1062-79 | 13 | 474 |
| 33 | ER Stress and Inflammation 2012 , 257-279 | | 2 |
| 32 | ER stress-induced inflammation: does it aid or impede disease progression?. <i>Trends in Molecular Medicine</i> , 2012 , 18, 589-98 | 11.5 | 277 |
| 31 | Severity of doxorubicin-induced small intestinal mucositis is regulated by the TLR-2 and TLR-9 pathways. <i>Journal of Pathology</i> , 2012 , 226, 598-608 | 9.4 | 76 |
| 30 | 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> , 2012 , 40, 427-35 | 4.4 | |
| 29 | Transfer of IP1 through gap junctions is critical, but not sufficient, for the spread of apoptosis. <i>Cell Death and Differentiation</i> , 2012 , 19, 947-57 | 12.7 | 46 |

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| 28 | Contribution of ER Stress to Immunogenic Cancer Cell Death 2012 , 413-428 | | 1 |
| 27 | The emergence of phox-ER stress induced immunogenic apoptosis. <i>OncolImmunology</i> , 2012 , 1, 786-788 | 7.2 | 77 |
| 26 | ATP release from dying autophagic cells and their phagocytosis are crucial for inflammasome activation in macrophages. <i>PLoS ONE</i> , 2012 , 7, e40069 | 3.7 | 96 |
| 25 | Immunogenic Cell Death and Emission of Damps: Calreticulin and ATP. <i>Journal of Nanomedicine & Biotherapeutic Discovery</i> , 2012 , 2, | | 2 |
| 24 | DAMPs and PDT-mediated photo-oxidative stress: exploring the unknown. <i>Photochemical and Photobiological Sciences</i> , 2011 , 10, 670-80 | 4.2 | 98 |
| 23 | Emerging role of damage-associated molecular patterns derived from mitochondria in inflammation. <i>Trends in Immunology</i> , 2011 , 32, 157-64 | 14.4 | 466 |
| 22 | Alternatively activated macrophages and impaired phagocytosis of <i>S. aureus</i> in chronic rhinosinusitis. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2011 , 66, 396-403 | 9.3 | 122 |
| 21 | TLR-2 and TLR-9 are sensors of apoptosis in a mouse model of doxorubicin-induced acute inflammation. <i>Cell Death and Differentiation</i> , 2011 , 18, 1316-25 | 12.7 | 87 |
| 20 | Calcium and connexin-based intercellular communication, a deadly catch?. <i>Cell Calcium</i> , 2011 , 50, 310-214 | | 55 |
| 19 | Impairment of phagocytosis of apoptotic cells and its role in chronic airway diseases. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2010 , 15, 1137-46 | 5.4 | 29 |
| 18 | Clearance of dead cells: mechanisms, immune responses and implication in the development of diseases. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2010 , 15, 995-7 | 5.4 | 28 |
| 17 | Immunogenic cell death, DAMPs and anticancer therapeutics: an emerging amalgamation. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2010 , 1805, 53-71 | 11.2 | 227 |
| 16 | Mitotic catastrophe as a prestage to necrosis in mouse liver cells treated with <i>Helicobacter pullorum</i> sonicates. <i>Journal of Morphology</i> , 2009 , 270, 921-8 | 1.6 | 7 |
| 15 | Connexin-related signaling in cell death: to live or let die?. <i>Cell Death and Differentiation</i> , 2009 , 16, 524-36 | 12.7 | 200 |
| 14 | Molecular Pathways of Different Types of Cell Death: Many Roads to Death 2009 , 3-31 | | 2 |
| 13 | Phagocytosis of Dying Cells: From Molecular Mechanisms to Human Diseases 2009 , | | 3 |
| 12 | Apoptosis and necrosis: detection, discrimination and phagocytosis. <i>Methods</i> , 2008 , 44, 205-21 | 4.6 | 465 |
| 11 | From regulation of dying cell engulfment to development of anti-cancer therapy. <i>Cell Death and Differentiation</i> , 2008 , 15, 29-38 | 12.7 | 61 |

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|----|---|------|-----|
| 10 | Methods for distinguishing apoptotic from necrotic cells and measuring their clearance. <i>Methods in Enzymology</i> , 2008 , 442, 307-41 | 1.7 | 92 |
| 9 | Molecular mechanisms and pathophysiology of necrotic cell death. <i>Current Molecular Medicine</i> , 2008 , 8, 207-20 | 2.5 | 255 |
| 8 | Life and death of female gametes during oogenesis and folliculogenesis. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2008 , 13, 1065-87 | 5.4 | 83 |
| 7 | Macrophages use different internalization mechanisms to clear apoptotic and necrotic cells. <i>Cell Death and Differentiation</i> , 2006 , 13, 2011-22 | 12.7 | 148 |
| 6 | Clearance of apoptotic and necrotic cells and its immunological consequences. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2006 , 11, 1709-26 | 5.4 | 263 |
| 5 | Gap junctions and the propagation of cell survival and cell death signals. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2005 , 10, 459-69 | 5.4 | 147 |
| 4 | Phagocytosis of necrotic cells by macrophages is phosphatidylserine dependent and does not induce inflammatory cytokine production. <i>Molecular Biology of the Cell</i> , 2004 , 15, 1089-100 | 3.5 | 162 |
| 3 | Gap junctional communication and connexin43 expression in relation to apoptotic cell death and survival of granulosa cells. <i>Journal of Histochemistry and Cytochemistry</i> , 2004 , 52, 1199-207 | 3.4 | 58 |
| 2 | Mechanisms of internalization of apoptotic and necrotic L929 cells by a macrophage cell line studied by electron microscopy. <i>Journal of Morphology</i> , 2003 , 258, 336-45 | 1.6 | 50 |
| 1 | Mitochondrial transmembrane potential changes support the concept of mitochondrial heterogeneity during apoptosis. <i>Journal of Histochemistry and Cytochemistry</i> , 2001 , 49, 1277-84 | 3.4 | 65 |