

# Christina Janko

## List of Publications by Year in descending order

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Version: 2024-02-01

102  
papers

4,682  
citations

117453

34  
h-index

102304

66  
g-index

102  
all docs

102  
docs citations

102  
times ranked

7548  
citing authors

#	ARTICLE	IF	CITATIONS
1	Aggregated neutrophil extracellular traps limit inflammation by degrading cytokines and chemokines. <i>Nature Medicine</i> , 2014, 20, 511-517.	15.2	734
2	Magnetic nanoparticle-based drug delivery for cancer therapy. <i>Biochemical and Biophysical Research Communications</i> , 2015, 468, 463-470.	1.0	350
3	Sodium Overload and Water Influx Activate the NALP3 Inflammasome. <i>Journal of Biological Chemistry</i> , 2011, 286, 35-41.	1.6	162
4	Monosodium urate crystals induce extracellular DNA traps in neutrophils, eosinophils, and basophils but not in mononuclear cells. <i>Frontiers in Immunology</i> , 2012, 3, 277.	2.2	161
5	Autoimmunity and chronic inflammation – Two clearance-related steps in the etiopathogenesis of SLE. <i>Autoimmunity Reviews</i> , 2010, 10, 38-42.	2.5	147
6	Redox Modulation of HMGB1-Related Signaling. <i>Antioxidants and Redox Signaling</i> , 2014, 20, 1075-1085.	2.5	143
7	Lysosome-Targeting Amplifiers of Reactive Oxygen Species as Anticancer Prodrugs. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15545-15549.	7.2	132
8	Nanoparticles size-dependently initiate self-limiting NETosis-driven inflammation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E5856-E5865.	3.3	128
9	Phospholipids: Key Players in Apoptosis and Immune Regulation. <i>Molecules</i> , 2009, 14, 4892-4914.	1.7	126
10	Remnants of secondarily necrotic cells fuel inflammation in systemic lupus erythematosus. <i>Arthritis and Rheumatism</i> , 2009, 60, 1733-1742.	6.7	107
11	Development of a lauric acid/albumin hybrid iron oxide nanoparticle system with improved biocompatibility. <i>International Journal of Nanomedicine</i> , 2014, 9, 4847.	3.3	105
12	Dextran-coated superparamagnetic iron oxide nanoparticles for magnetic resonance imaging: evaluation of size-dependent imaging properties, storage stability and safety. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 1899-1915.	3.3	105
13	Development and characterization of magnetic iron oxide nanoparticles with a cisplatin-bearing polymer coating for targeted drug delivery. <i>International Journal of Nanomedicine</i> , 2014, 9, 3659.	3.3	90
14	Bonding the foe – NETting neutrophils immobilize the pro-inflammatory monosodium urate crystals. <i>Frontiers in Immunology</i> , 2012, 3, 376.	2.2	87
15	Macrophages Discriminate Glycosylation Patterns of Apoptotic Cell-derived Microparticles. <i>Journal of Biological Chemistry</i> , 2012, 287, 496-503.	1.6	85
16	Inefficient clearance of dying cells in patients with SLE: anti-dsDNA autoantibodies, MFG-E8, HMGB-1 and other players. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2010, 15, 1098-1113.	2.2	82
17	Non-immunogenic dextran-coated superparamagnetic iron oxide nanoparticles: a biocompatible, size-tunable contrast agent for magnetic resonance imaging. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 5223-5238.	3.3	82
18	Magnetic nanoparticles for cancer therapy. <i>Nanotechnology Reviews</i> , 2013, 2, 395-409.	2.6	77

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19	ROS-Responsive N-Alkylaminoferrocenes for Cancer-Cell-Specific Targeting of Mitochondria. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11943-11946.	7.2	74
20	Functionalized Superparamagnetic Iron Oxide Nanoparticles (SPIONs) as Platform for the Targeted Multimodal Tumor Therapy. <i>Frontiers in Oncology</i> , 2019, 9, 59.	1.3	69
21	Flow cytometry for intracellular SPION quantification: specificity and sensitivity in&nbsp;comparison with spectroscopic methods. <i>International Journal of Nanomedicine</i> , 2015, 10, 4185.	3.3	65
22	Selection of potential iron oxide nanoparticles for breast cancer treatment based on in vitro cytotoxicity and cellular uptake. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 3207-3220.	3.3	60
23	Cells Under Pressure – Treatment of Eukaryotic Cells with High Hydrostatic Pressure, from Physiologic Aspects to Pressure Induced Cell Death. <i>Current Medicinal Chemistry</i> , 2008, 15, 2329-2336.	1.2	58
24	Magnetic Drug Targeting Reduces the Chemotherapeutic Burden on Circulating Leukocytes. <i>International Journal of Molecular Sciences</i> , 2013, 14, 7341-7355.	1.8	57
25	Application of hyperthermia in addition to ionizing irradiation fosters necrotic cell death and HMGB1 release of colorectal tumor cells. <i>Biochemical and Biophysical Research Communications</i> , 2010, 391, 1014-1020.	1.0	53
26	Colourful death: Six-parameter classification of cell death by flow cytometry – Dead cells tell tales. <i>Autoimmunity</i> , 2013, 46, 336-341.	1.2	53
27	Hypericin-bearing magnetic iron oxide nanoparticles for selective drug delivery in photodynamic therapy. <i>International Journal of Nanomedicine</i> , 2015, 10, 6985.	3.3	46
28	&lt;p&gt;Functionalization Of T Lymphocytes With Citrate-Coated Superparamagnetic Iron Oxide Nanoparticles For Magnetically Controlled Immune Therapy&lt;/p&gt;. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 8421-8432.	3.3	46
29	Different Storage Conditions Influence Biocompatibility and Physicochemical Properties of Iron Oxide Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2015, 16, 9368-9384.	1.8	43
30	Strategies to optimize the biocompatibility of iron oxide nanoparticles – SPIONs safe by design. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 431, 281-284.	1.0	43
31	Facile preparation of multifunctional superparamagnetic PHBV microspheres containing SPIONs for biomedical applications. <i>Scientific Reports</i> , 2016, 6, 23140.	1.6	42
32	Autoantibodies against galectins are associated with antiphospholipid syndrome in patients with systemic lupus erythematosus. <i>Glycobiology</i> , 2013, 23, 12-22.	1.3	39
33	CRP/anti-CRP Antibodies Assembly on the Surfaces of Cell Remnants Switches Their Phagocytic Clearance Toward Inflammation. <i>Frontiers in Immunology</i> , 2011, 2, 70.	2.2	38
34	Surface code – biophysical signals for apoptotic cell clearance. <i>Physical Biology</i> , 2013, 10, 065007.	0.8	38
35	Cellular effects of paclitaxel-loaded iron oxide nanoparticles on breast cancer using different 2D and 3D cell culture models. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 161-180.	3.3	35
36	An Endoplasmic Reticulum Specific Pro- Amplifier of Reactive Oxygen Species in Cancer Cells. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11158-11162.	7.2	34

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37	The Pathogenicity of Anti- $\beta$ 2GPI-IgG Autoantibodies Depends on Fc Glycosylation. <i>Journal of Immunology Research</i> , 2015, 2015, 1-12.	0.9	33
38	IgG opsonized nuclear remnants from dead cells cause systemic inflammation in SLE. <i>Autoimmunity</i> , 2010, 43, 232-235.	1.2	32
39	Navigation to the Graveyard-Induction of Various Pathways of Necrosis and Their Classification by Flow Cytometry. <i>Methods in Molecular Biology</i> , 2013, 1004, 3-15.	0.4	31
40	The involvement of E6, p53, p16, MDM2 and Gal-3 in the clinical outcome of patients with cervical cancer. <i>Oncology Letters</i> , 2017, 14, 4467-4476.	0.8	31
41	Tuning the structure of aminoferrocene-based anticancer prodrugs to prevent their aggregation in aqueous solution. <i>Journal of Inorganic Biochemistry</i> , 2018, 178, 9-17.	1.5	30
42	Inert Coats of Magnetic Nanoparticles Prevent Formation of Occlusive Intravascular Co-aggregates With Neutrophil Extracellular Traps. <i>Frontiers in Immunology</i> , 2018, 9, 2266.	2.2	29
43	Specific Removal of C-Reactive Protein by Apheresis in a Porcine Cardiac Infarction Model. <i>Blood Purification</i> , 2011, 31, 9-17.	0.9	28
44	Treatment Efficiency of Free and Nanoparticle-Loaded Mitoxantrone for Magnetic Drug Targeting in Multicellular Tumor Spheroids. <i>Molecules</i> , 2015, 20, 18016-18030.	1.7	28
45	Functionalization of T lymphocytes for magnetically controlled immune therapy: Selection of suitable superparamagnetic iron oxide nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 473, 61-67.	1.0	28
46	UVB-irradiated apoptotic cells induce accelerated growth of co-implanted viable tumor cells in immune competent mice. <i>Autoimmunity</i> , 2013, 46, 317-322.	1.2	26
47	Nanomaterial innovation: the SEON-concept for an improved cancer therapy with magnetic nanoparticles. <i>Nanomedicine</i> , 2015, 10, 3287-3304.	1.7	25
48	Magnetic microgels for drug targeting applications: Physical-chemical properties and cytotoxicity evaluation. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 380, 307-314.	1.0	25
49	Lysosome-Targeting Amplifiers of Reactive Oxygen Species as Anticancer Prodrugs. <i>Angewandte Chemie</i> , 2017, 129, 15751-15755.	1.6	25
50	Cooperative binding of Annexin A5 to phosphatidylserine on apoptotic cell membranes. <i>Physical Biology</i> , 2013, 10, 065006.	0.8	24
51	Genotoxicity of Superparamagnetic Iron Oxide Nanoparticles in Granulosa Cells. <i>International Journal of Molecular Sciences</i> , 2015, 16, 26280-26290.	1.8	24
52	The uptake by blood-borne phagocytes of monosodium urate is dependent on heat-labile serum factor(s) and divalent cations. <i>Autoimmunity</i> , 2010, 43, 236-238.	1.2	23
53	Hyperthermia in combination with X-irradiation induces inflammatory forms of cell death. <i>Autoimmunity</i> , 2009, 42, 311-313.	1.2	22
54	Analysis of Hypericin-Mediated Effects and Implications for Targeted Photodynamic Therapy. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1388.	1.8	22

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55	Adhesion/growth-regulatory galectins in the human eye: localization profiles and tissue reactivities as a standard to detect disease-associated alterations. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2012, 250, 1169-1180.	1.0	21
56	ROS-Responsive N-Alkylaminoferrocenes for Cancer-Cell-Specific Targeting of Mitochondria. <i>Angewandte Chemie</i> , 2018, 130, 12119-12122.	1.6	21
57	The Progression of Cell Death Affects the Rejection of Allogeneic Tumors in Immune-Competent Mice – Implications for Cancer Therapy. <i>Frontiers in Immunology</i> , 2014, 5, 560.	2.2	20
58	Magnetic Tissue Engineering of the Vocal Fold Using Superparamagnetic Iron Oxide Nanoparticles. <i>Tissue Engineering - Part A</i> , 2019, 25, 1470-1477.	1.6	20
59	Targeting of drug-loaded nanoparticles to tumor sites increases cell death and release of danger signals. <i>Journal of Controlled Release</i> , 2018, 285, 67-80.	4.8	19
60	Real-time cell analysis of human cancer cell lines after chemotherapy with functionalized magnetic nanoparticles. <i>Anticancer Research</i> , 2012, 32, 1983-9.	0.5	18
61	Toxicity of Mitoxantrone-loaded Superparamagnetic Iron Oxide Nanoparticles in a HT-29 Tumour Spheroid Model. <i>Anticancer Research</i> , 2016, 36, 3093-101.	0.5	17
62	N-Alkylaminoferrocene-Based Prodrugs Targeting Mitochondria of Cancer Cells. <i>Molecules</i> , 2020, 25, 2545.	1.7	16
63	Graphene Oxide Nanosheets for Localized Hyperthermia – Physicochemical Characterization, Biocompatibility, and Induction of Tumor Cell Death. <i>Cells</i> , 2020, 9, 776.	1.8	16
64	Sodium and potassium urate crystals differ in their inflammatory potential. <i>Autoimmunity</i> , 2009, 42, 314-316.	1.2	14
65	Loading of Primary Human T Lymphocytes with Citrate-Coated Superparamagnetic Iron Oxide Nanoparticles Does Not Impair Their Activation after Polyclonal Stimulation. <i>Cells</i> , 2020, 9, 342.	1.8	14
66	Synthesis of Magnetic Nanoparticle/Ansamitocin Conjugates – Inductive Heating Leads to Decreased Cell Proliferation In Vitro and Attenuation Of Tumour Growth In Vivo. <i>Chemistry - A European Journal</i> , 2017, 23, 12326-12337.	1.7	13
67	Superparamagnetic Iron Oxide Nanoparticles Carrying Chemotherapeutics Improve Drug Efficacy in Monolayer and Spheroid Cell Culture by Enabling Active Accumulation. <i>Nanomaterials</i> , 2020, 10, 1577.	1.9	13
68	Graphene-Induced Hyperthermia (GIHT) Combined With Radiotherapy Fosters Immunogenic Cell Death. <i>Frontiers in Oncology</i> , 2021, 11, 664615.	1.3	13
69	Immunohistochemical Evaluation of the Role of p53 Mutation in Cervical Cancer: Ser-20 p53-Mutant Correlates with Better Prognosis. <i>Anticancer Research</i> , 2016, 36, 3131-7.	0.5	13
70	Nanoparticles for regenerative medicine. <i>Nanomedicine</i> , 2019, 14, 1929-1933.	1.7	12
71	CRP and SAP from different species have different membrane ligand specificities. <i>Autoimmunity</i> , 2013, 46, 347-350.	1.2	11
72	Citrate-Coated Superparamagnetic Iron Oxide Nanoparticles Enable a Stable Non-Spilling Loading of T Cells and Their Magnetic Accumulation. <i>Cancers</i> , 2021, 13, 4143.	1.7	11

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73	Scavenging of bacteria or bacterial products by magnetic particles functionalized with a broad-spectrum pathogen recognition receptor motif offers diagnostic and therapeutic applications. <i>Acta Biomaterialia</i> , 2022, 141, 418-428.	4.1	11
74	Impact of Superparamagnetic Iron Oxide Nanoparticles on Vocal Fold Fibroblasts: Cell Behavior and Cellular Iron Kinetics. <i>Nanoscale Research Letters</i> , 2017, 12, 284.	3.1	10
75	Clearance of apo Nph induces an immunosuppressive response in pro-inflammatory type-1 and anti-inflammatory type-2 M $\phi$ . <i>Autoimmunity</i> , 2009, 42, 275-277.	1.2	9
76	Elevated Serum Lysophosphatidylcholine in Patients with Systemic Lupus Erythematosus Impairs Phagocytosis of Necrotic Cells In Vitro. <i>Frontiers in Immunology</i> , 2017, 8, 1876.	2.2	9
77	Treatment with DNase I fosters binding to nec PBMC of CRP. <i>Autoimmunity</i> , 2009, 42, 286-288.	1.2	8
78	Nanomedicine for cardiovascular disorders. <i>Nanomedicine</i> , 2019, 14, 3007-3012.	1.7	8
79	Imaging modalities using magnetic nanoparticles – overview of the developments in recent years. <i>Nanotechnology Reviews</i> , 2013, 2, 381-394.	2.6	6
80	SPIONs functionalized with small peptides for binding of lipopolysaccharide, a pathophysiologically relevant microbial product. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 174, 95-102.	2.5	6
81	Mitoxantrone-Loaded Nanoparticles for Magnetically Controlled Tumor Therapy – Induction of Tumor Cell Death, Release of Danger Signals and Activation of Immune Cells. <i>Pharmaceutics</i> , 2020, 12, 923.	2.0	6
82	Non-magnetic chromatographic separation of colloidal metastable superparamagnetic iron oxide nanoparticles and suspension cells. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1122-1123, 83-89.	1.2	5
83	An Endoplasmic Reticulum Specific Pro – Amplifier of Reactive Oxygen Species in Cancer Cells. <i>Angewandte Chemie</i> , 2021, 133, 11258-11262.	1.6	5
84	SPIONs and magnetic hybrid materials: Synthesis, toxicology and biomedical applications. <i>ChemistrySelect</i> , 2023, 8, 1435-1464.	0.7	5
85	Intracellular Amplifiers of Reactive Oxygen Species Affecting Mitochondria as Radiosensitizers. <i>Cancers</i> , 2022, 14, 208.	1.7	5
86	Nanomedicine for neuroprotection. <i>Nanomedicine</i> , 2019, 14, 127-130.	1.7	3
87	Magnetic Tissue Engineering for Voice Rehabilitation - First Steps in a Promising Field. <i>Anticancer Research</i> , 2016, 36, 3085-91.	0.5	3
88	Optical Microscopy Systems for the Detection of Unlabeled Nanoparticles. <i>International Journal of Nanomedicine</i> , 0, Volume 17, 2139-2163.	3.3	3
89	Novel nanoparticulate drug delivery systems. <i>Nanomedicine</i> , 2016, 11, 573-576.	1.7	2
90	Journal watch: diagnostic nanoparticles. <i>Nanomedicine</i> , 2017, 12, 181-184.	1.7	2

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91	Magnetic nanoparticles for medical applications. <i>Nanomedicine</i> , 2017, 12, 825-829.	1.7	2
92	Innovative toxikologische Untersuchungsmethoden für Eisenoxidnanopartikel in der Nanomedizin. <i>Chemie-Ingenieur-Technik</i> , 2017, 89, 244-251.	0.4	2
93	[1,10]Phenanthroline based cyanine dyes as fluorescent probes for ribonucleic acids in live cells. <i>Methods and Applications in Fluorescence</i> , 2017, 5, 045002.	1.1	2
94	Nanomedicine for infectious diseases. <i>Nanomedicine</i> , 2020, 15, 1263-1267.	1.7	2
95	Radon therapy ameliorates disease progression and prolongs survival in TNF $\pm$ tg mice. <i>Annals of the Rheumatic Diseases</i> , 2012, 71, A30.2-A31.	0.5	1
96	Immune complex formation after exposure of autoantigens on the surface of secondary necrotic cells (SNEC) promotes inflammation in SLE. <i>Annals of the Rheumatic Diseases</i> , 2012, 71, A73.1-A73.	0.5	1
97	Imaging and quantification of SPIONs for cancer therapy with magnetic drug targeting. , 2015, , .		1
98	Modulation of immune responses by nanoparticles. <i>Nanomedicine</i> , 2021, 16, 1925-1929.	1.7	1
99	Treat or track: nanoagents in the service of health. <i>Nanomedicine</i> , 2017, 12, 2715-2719.	1.7	0
100	“Nano-lysing”™ the disease process: A novel diagnostic and therapeutic nanoparticles. <i>Nanomedicine</i> , 2018, 13, 1087-1091.	1.7	0
101	Nanomedicine for vaccination and diagnosis of diseases. <i>Nanomedicine</i> , 2021, 16, 165-169.	1.7	0
102	Intranasal delivery of nanoparticles. <i>Nanomedicine</i> , 2022, , .	1.7	0