

Abhishek D. Garg

List of Publications by Citations

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96
papers

16,829
citations

51
h-index

112
g-index

112
ext. papers

21,629
ext. citations

8.5
avg, IF

6.47
L-index

#	Paper	IF	Citations
96	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
95	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. <i>Cell Death and Differentiation</i> , 2018 , 25, 486-541	12.7	2160
94	Immunogenic cell death and DAMPs in cancer therapy. <i>Nature Reviews Cancer</i> , 2012 , 12, 860-75	31.3	1165
93	EV-TRACK: transparent reporting and centralizing knowledge in extracellular vesicle research. <i>Nature Methods</i> , 2017 , 14, 228-232	21.6	560
92	Consensus guidelines for the detection of immunogenic cell death. <i>Oncot Immunology</i> , 2014 , 3, e955691	7.2	524
91	A novel pathway combining calreticulin exposure and ATP secretion in immunogenic cancer cell death. <i>EMBO Journal</i> , 2012 , 31, 1062-79	13	474
90	PERK is required at the ER-mitochondrial contact sites to convey apoptosis after ROS-based ER stress. <i>Cell Death and Differentiation</i> , 2012 , 19, 1880-91	12.7	468
89	Emerging role of damage-associated molecular patterns derived from mitochondria in inflammation. <i>Trends in Immunology</i> , 2011 , 32, 157-64	14.4	466
88	Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition). <i>Autophagy</i> , 2021 , 17, 1-382	10.2	440
87	Classification of current anticancer immunotherapies. <i>Oncotarget</i> , 2014 , 5, 12472-508	3.3	301
86	ER stress-induced inflammation: does it aid or impede disease progression?. <i>Trends in Molecular Medicine</i> , 2012 , 18, 589-98	11.5	277
85	Targeting ER stress induced apoptosis and inflammation in cancer. <i>Cancer Letters</i> , 2013 , 332, 249-64	9.9	263
84	Defining the role of the tumor vasculature in antitumor immunity and immunotherapy. <i>Cell Death and Disease</i> , 2018 , 9, 115	9.8	241
83	Molecular and Translational Classifications of DAMPs in Immunogenic Cell Death. <i>Frontiers in Immunology</i> , 2015 , 6, 588	8.4	239
82	Consensus guidelines for the definition, detection and interpretation of immunogenic cell death 2020 , 8,		233
81	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
80	Immature, Semi-Mature, and Fully Mature Dendritic Cells: Toward a DC-Cancer Cells Interface That Augments Anticancer Immunity. <i>Frontiers in Immunology</i> , 2013 , 4, 438	8.4	209

79	Photodynamic therapy: illuminating the road from cell death towards anti-tumour immunity. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2010 , 15, 1050-71	5.4	209
78	Vaccination with Necroptotic Cancer Cells Induces Efficient Anti-tumor Immunity. <i>Cell Reports</i> , 2016 , 15, 274-87	10.6	204
77	Autophagy: shaping the tumor microenvironment and therapeutic response. <i>Trends in Molecular Medicine</i> , 2013 , 19, 428-46	11.5	200
76	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
75	Integrating Next-Generation Dendritic Cell Vaccines into the Current Cancer Immunotherapy Landscape. <i>Trends in Immunology</i> , 2017 , 38, 577-593	14.4	190
74	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
73	Cell death and immunity in cancer: From danger signals to mimicry of pathogen defense responses. <i>Immunological Reviews</i> , 2017 , 280, 126-148	11.3	178
72	Danger signalling during cancer cell death: origins, plasticity and regulation. <i>Cell Death and Differentiation</i> , 2014 , 21, 26-38	12.7	155
71	Inducers of immunogenic cancer cell death. <i>Cytokine and Growth Factor Reviews</i> , 2013 , 24, 319-33	17.9	154
70	ER stress, autophagy and immunogenic cell death in photodynamic therapy-induced anti-cancer immune responses. <i>Photochemical and Photobiological Sciences</i> , 2014 , 13, 474-87	4.2	152
69	Dendritic cell vaccines based on immunogenic cell death elicit danger signals and T cell-driven rejection of high-grade glioma. <i>Science Translational Medicine</i> , 2016 , 8, 328ra27	17.5	147
68	Trial watch: Immunogenic cell death induction by anticancer chemotherapeutics. <i>OncolImmunology</i> , 2017 , 6, e1386829	7.2	143
67	Newcastle disease virotherapy induces long-term survival and tumor-specific immune memory in orthotopic glioma through the induction of immunogenic cell death. <i>International Journal of Cancer</i> , 2015 , 136, E313-25	7.5	130
66	Immunogenic cell death. <i>International Journal of Developmental Biology</i> , 2015 , 59, 131-40	1.9	125
65	Physical modalities inducing immunogenic tumor cell death for cancer immunotherapy. <i>OncolImmunology</i> , 2014 , 3, e968434	7.2	120
64	Citrullinated glucose-regulated protein 78 is an autoantigen in type 1 diabetes. <i>Diabetes</i> , 2015 , 64, 573-86	9	111
63	Discriminating mild from critical COVID-19 by innate and adaptive immune single-cell profiling of bronchoalveolar lavages. <i>Cell Research</i> , 2021 , 31, 272-290	24.7	102
62	DAMPs and PDT-mediated photo-oxidative stress: exploring the unknown. <i>Photochemical and Photobiological Sciences</i> , 2011 , 10, 670-80	4.2	98

61	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
60	Transplantation and Damage-Associated Molecular Patterns (DAMPs). <i>American Journal of Transplantation</i> , 2016 , 16, 3338-3361	8.7	90
59	Immunogenic versus tolerogenic phagocytosis during anticancer therapy: mechanisms and clinical translation. <i>Cell Death and Differentiation</i> , 2016 , 23, 938-51	12.7	84
58	Trial watch: chemotherapy-induced immunogenic cell death in immuno-oncology. <i>OncolImmunology</i> , 2020 , 9, 1703449	7.2	81
57	The Unfolded Protein Response in Immunogenic Cell Death and Cancer Immunotherapy. <i>Trends in Cancer</i> , 2017 , 3, 643-658	12.5	80
56	The emergence of phox-ER stress induced immunogenic apoptosis. <i>OncolImmunology</i> , 2012 , 1, 786-788	7.2	77
55	Sensitization of glioblastoma tumor micro-environment to chemo- and immunotherapy by Galectin-1 intranasal knock-down strategy. <i>Scientific Reports</i> , 2017 , 7, 1217	4.9	75
54	Antitumor immunity triggered by melphalan is potentiated by melanoma cell surface-associated calreticulin. <i>Cancer Research</i> , 2015 , 75, 1603-14	10.1	73
53	Cancer immunogenicity, danger signals, and DAMPs: what, when, and how?. <i>BioFactors</i> , 2013 , 39, 355-676.1	7.1	73
52	Trial watch: dendritic cell vaccination for cancer immunotherapy. <i>OncolImmunology</i> , 2019 , 8, e1638212	7.2	71
51	Trial watch: Dendritic cell-based anticancer immunotherapy. <i>OncolImmunology</i> , 2017 , 6, e1328341	7.2	70
50	Pathogen response-like recruitment and activation of neutrophils by sterile immunogenic dying cells drives neutrophil-mediated residual cell killing. <i>Cell Death and Differentiation</i> , 2017 , 24, 832-843	12.7	65
49	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
48	A single-cell map of intratumoral changes during anti-PD1 treatment of patients with breast cancer. <i>Nature Medicine</i> , 2021 , 27, 820-832	50.5	57
47	Monocyte-driven atypical cytokine storm and aberrant neutrophil activation as key mediators of COVID-19 disease severity. <i>Nature Communications</i> , 2021 , 12, 4117	17.4	53
46	DAMP-Induced Allograft and Tumor Rejection: The Circle Is Closing. <i>American Journal of Transplantation</i> , 2016 , 16, 3322-3337	8.7	51
45	Targeting the hallmarks of cancer with therapy-induced endoplasmic reticulum (ER) stress. <i>Molecular and Cellular Oncology</i> , 2015 , 2, e975089	1.2	47
44	Calreticulin surface exposure is abrogated in cells lacking, chaperone-mediated autophagy-essential gene, LAMP2A. <i>Cell Death and Disease</i> , 2013 , 4, e826	9.8	46

43	Concurrent MEK and autophagy inhibition is required to restore cell death associated danger-signalling in Vemurafenib-resistant melanoma cells. <i>Biochemical Pharmacology</i> , 2015 , 93, 290-304	6	45
42	An autophagy-driven pathway of ATP secretion supports the aggressive phenotype of BRAF inhibitor-resistant metastatic melanoma cells. <i>Autophagy</i> , 2017 , 13, 1512-1527	10.2	44
41	Autophagy, a major adaptation pathway shaping cancer cell death and anticancer immunity responses following photodynamic therapy. <i>Photochemical and Photobiological Sciences</i> , 2015 , 14, 1410-1424	4.2	44
40	Irradiation of necrotic cancer cells, employed for pulsing dendritic cells (DCs), potentiates DC vaccine-induced antitumor immunity against high-grade glioma. <i>Onc Immunology</i> , 2016 , 5, e1083669	7.2	42
39	Preclinical efficacy of immune-checkpoint monotherapy does not recapitulate corresponding biomarkers-based clinical predictions in glioblastoma. <i>Onc Immunology</i> , 2017 , 6, e1295903	7.2	42
38	Type I interferons and dendritic cells in cancer immunotherapy. <i>International Review of Cell and Molecular Biology</i> , 2019 , 348, 217-262	6	42
37	Immunological metagene signatures derived from immunogenic cancer cell death associate with improved survival of patients with lung, breast or ovarian malignancies: A large-scale meta-analysis. <i>Onc Immunology</i> , 2016 , 5, e1069938	7.2	41
36	In vitro studies on erythrosine-based photodynamic therapy of malignant and pre-malignant oral epithelial cells. <i>PLoS ONE</i> , 2012 , 7, e34475	3.7	41
35	The PERKs of damage-associated molecular patterns mediating cancer immunogenicity: From sensor to the plasma membrane and beyond. <i>Seminars in Cancer Biology</i> , 2015 , 33, 74-85	12.7	35
34	Autophagy-dependent suppression of cancer immunogenicity and effector mechanisms of innate and adaptive immunity. <i>Onc Immunology</i> , 2013 , 2, e26260	7.2	30
33	Extracellular ATP and P2X ₁ receptor exert context-specific immunogenic effects after immunogenic cancer cell death. <i>Cell Death and Disease</i> , 2016 , 7, e2097	9.8	29
32	Pro-apoptotic signaling induced by photo-oxidative ER stress is amplified by Noxa, not Bim. <i>Biochemical and Biophysical Research Communications</i> , 2013 , 438, 500-6	3.4	29
31	Type I interferons and endoplasmic reticulum stress in health and disease. <i>International Review of Cell and Molecular Biology</i> , 2020 , 350, 63-118	6	25
30	Necroptosis in Immuno-Oncology and Cancer Immunotherapy. <i>Cells</i> , 2020 , 9,	7.9	25
29	Increased IL-10-producing regulatory T cells are characteristic of severe cases of COVID-19. <i>Clinical and Translational Immunology</i> , 2020 , 9, e1204	6.8	24
28	Caspase-2 and oxidative stress underlie the immunogenic potential of high hydrostatic pressure-induced cancer cell death. <i>Onc Immunology</i> , 2017 , 6, e1258505	7.2	21
27	Coordination of stress, Ca ²⁺ , and immunogenic signaling pathways by PERK at the endoplasmic reticulum. <i>Biological Chemistry</i> , 2016 , 397, 649-56	4.5	14
26	Discriminating Mild from Critical COVID-19 by Innate and Adaptive Immune Single-cell Profiling of Bronchoalveolar Lavages		11

25	BNIP3 promotes HIF-1 α -driven melanoma growth by curbing intracellular iron homeostasis. <i>EMBO Journal</i> , 2021 , 40, e106214	13	8
24	BNIP3 modulates the interface between B16-F10 melanoma cells and immune cells. <i>Oncotarget</i> , 2018 , 9, 17631-17644	3.3	8
23	Computed determination of the in vitro optimal chemocombinations of sphaeropsidin A with chemotherapeutic agents to combat melanomas. <i>Cancer Chemotherapy and Pharmacology</i> , 2017 , 79, 971-983	3.5	7
22	The Use of Toll-like Receptor 4 Agonist to Reshape the Immune Signature in Ovarian Cancer. <i>Anticancer Research</i> , 2016 , 36, 5781-5792	2.3	7
21	In Vitro Generation of Murine Dendritic Cells for Cancer Immunotherapy: An Optimized Protocol. <i>Anticancer Research</i> , 2016 , 36, 5793-5801	2.3	7
20	Establishing a Unified COVID-19 "Immunome": Integrating Coronavirus Pathogenesis and Host Immunopathology. <i>Frontiers in Immunology</i> , 2020 , 11, 1642	8.4	6
19	Early memory differentiation and cell death resistance in T cells predicts melanoma response to sequential anti-CTLA4 and anti-PD1 immunotherapy. <i>Genes and Immunity</i> , 2021 , 22, 108-119	4.4	5
18	Decoding cancer cell death-driven immune cell recruitment: An in vivo method for site-of-vaccination analyses. <i>Methods in Enzymology</i> , 2020 , 636, 185-207	1.7	5
17	Melanoma targeting with the loco-regional chemotherapeutic, Melphalan: From cell death to immunotherapeutic efficacy. <i>Oncolimmunology</i> , 2015 , 4, e1054600	7.2	4
16	Melphalan, Antimelanoma Immunity, and Inflammation--Response. <i>Cancer Research</i> , 2015 , 75, 5400-1	10.1	4
15	Antimicrobial activity of skin secretions isolated from Indian toad, Bufo melanostictus Schneider 1799. <i>Nature Precedings</i> , 2007 ,		3
14	Peripherally-driven myeloid NF κ B and IFN/ISG responses predict malignancy risk, survival, and immunotherapy regime in ovarian cancer 2021 , 9,		3
13	Monocyte-Driven Atypical Cytokine Storm and Aberrant Neutrophil Activation as Key Mediators of COVID19 Disease Severity. <i>SSRN Electronic Journal</i> ,	1	3
12	High dimensional profiling identifies specific immune types along the recovery trajectories of critically ill COVID19 patients. <i>Cellular and Molecular Life Sciences</i> , 2021 , 78, 3987-4002	10.3	3
11	ER Stress and Inflammation 2012 , 257-279		2
10	Identification of Potential Prognostic and Predictive Immunological Biomarkers in Patients with Stage I and Stage III Non-Small Cell Lung Cancer (NSCLC): A Prospective Exploratory Study.. <i>Cancers</i> , 2021 , 13,	6.6	2
9	Drug-induced ciliogenesis in pancreatic cancer cells is facilitated by the secreted ATP-purinergic receptor signaling pathway. <i>Oncotarget</i> , 2018 , 9, 3507-3518	3.3	2
8	Efficient in silico designing of oligonucleotides for artificial gene synthesis. <i>Protocol Exchange</i> ,		2

7	Contribution of ER Stress to Immunogenic Cancer Cell Death 2012 , 413-428		1
6	Melanoma immunotherapy. <i>Oncoscience</i> , 2015 , 2, 845-6	0.8	1
5	PlexinA4 mediates cytotoxic T cell trafficking and exclusion in cancer. <i>Cancer Immunology Research</i> , 2021 ,	12.5	1
4	Stress-induced inflammation evoked by immunogenic cell death is blunted by the IRE1 α kinase inhibitor KIRA6 through HSP60 targeting. <i>Cell Death and Differentiation</i> , 2021 ,	12.7	1
3	A first-in-class, non-invasive, immunodynamic biomarker approach for precision immuno-oncology.. <i>Oncolmunology</i> , 2022 , 11, 2024692	7.2	0
2	Autophagy Induced by Photodynamic Therapy (PDT): Shaping Resistance Against Cell Death and Anti-Tumor Immunity. <i>Resistance To Targeted Anti-cancer Therapeutics</i> , 2015 , 99-116	0.3	
1	Orientation of Preclinical Research in Ovarian Cancer. <i>International Journal of Gynecological Cancer</i> , 2017 , 27, 1579-1586	3.5	