

Sandro Matosevic

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

2,292
citations

361413

20
h-index

330143

37
g-index

62
all docs

62
docs citations

62
times ranked

3462
citing authors

#	ARTICLE	IF	CITATIONS
1	Pharmaceutical liposomal drug delivery: a review of new delivery systems and a look at the regulatory landscape. <i>Drug Delivery</i> , 2016, 23, 3319-3329.	5.7	461
2	Stepwise Synthesis of Giant Unilamellar Vesicles on a Microfluidic Assembly Line. <i>Journal of the American Chemical Society</i> , 2011, 133, 2798-2800.	13.7	178
3	Engineering liposomal nanoparticles for targeted gene therapy. <i>Gene Therapy</i> , 2017, 24, 441-452.	4.5	159
4	Natural Killer Cells as Allogeneic Effectors in Adoptive Cancer Immunotherapy. <i>Cancers</i> , 2019, 11, 769.	3.7	138
5	Layer-by-layer cell membrane assembly. <i>Nature Chemistry</i> , 2013, 5, 958-963.	13.6	127
6	Purinergic targeting enhances immunotherapy of CD73+ solid tumors with piggyBac-engineered chimeric antigen receptor natural killer cells. , 2018, 6, 136.		108
7	Immunotherapy in Lung Cancer: Current Landscape and Future Directions. <i>Frontiers in Immunology</i> , 2022, 13, 823618.	4.8	105
8	Viral and Nonviral Engineering of Natural Killer Cells as Emerging Adoptive Cancer Immunotherapies. <i>Journal of Immunology Research</i> , 2018, 2018, 1-20.	2.2	93
9	Fundamentals and applications of immobilized microfluidic enzymatic reactors. <i>Journal of Chemical Technology and Biotechnology</i> , 2011, 86, 325-334.	3.2	84
10	Adenosinergic Signaling Alters Natural Killer Cell Functional Responses. <i>Frontiers in Immunology</i> , 2018, 9, 2533.	4.8	79
11	Immunometabolic Dysfunction of Natural Killer Cells Mediated by the Hypoxia-CD73 Axis in Solid Tumors. <i>Frontiers in Molecular Biosciences</i> , 2019, 6, 60.	3.5	76
12	CD155 immunoregulation as a target for natural killer cell immunotherapy in glioblastoma. <i>Journal of Hematology and Oncology</i> , 2020, 13, 76.	17.0	65
13	Immobilised enzyme microreactor for screening of multi-step bioconversions: Characterisation of a de novo transketolase-%-transaminase pathway to synthesise chiral amino alcohols. <i>Journal of Biotechnology</i> , 2011, 155, 320-329.	3.8	62
14	Tumor Microenvironment-Induced Immunometabolic Reprogramming of Natural Killer Cells. <i>Frontiers in Immunology</i> , 2018, 9, 2517.	4.8	58
15	Synthesizing artificial cells from giant unilamellar vesicles: State-of-the art in the development of microfluidic technology. <i>BioEssays</i> , 2012, 34, 992-1001.	2.5	57
16	Multispecific targeting of glioblastoma with tumor microenvironment-responsive multifunctional engineered NK cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	45
17	Chemokine networks modulating natural killer cell trafficking to solid tumors. <i>Cytokine and Growth Factor Reviews</i> , 2021, 59, 36-45.	7.2	43
18	Adenosinergic signaling as a target for natural killer cell immunotherapy. <i>Journal of Molecular Medicine</i> , 2018, 96, 903-913.	3.9	40

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19	Bioinspired Preservation of Natural Killer Cells for Cancer Immunotherapy. <i>Advanced Science</i> , 2019, 6, 1802045.	11.2	33
20	NT5E/CD73 as Correlative Factor of Patient Survival and Natural Killer Cell Infiltration in Glioblastoma. <i>Journal of Clinical Medicine</i> , 2019, 8, 1526.	2.4	32
21	Natural killer-92 cells maintain cytotoxic activity after long-term cryopreservation in novel DMSO-free media. <i>Immunology Letters</i> , 2017, 192, 35-41.	2.5	26
22	Functional and metabolic targeting of natural killer cells to solid tumors. <i>Cellular Oncology (Dordrecht)</i> , 2020, 43, 577-600.	4.4	25
23	Nanoparticle-Mediated Intracellular Protection of Natural Killer Cells Avoids Cryoinjury and Retains Potent Antitumor Functions. <i>Advanced Science</i> , 2020, 7, 1902938.	11.2	23
24	Bioengineered liposome-scaffold composites as therapeutic delivery systems. <i>Therapeutic Delivery</i> , 2017, 8, 425-445.	2.2	20
25	Design and characterization of a prototype enzyme microreactor: Quantification of immobilized transketolase kinetics. <i>Biotechnology Progress</i> , 2010, 26, 118-126.	2.6	19
26	TIM-3 Expression Is Downregulated on Human NK Cells in Response to Cancer Targets in Synergy with Activation. <i>Cancers</i> , 2020, 12, 2417.	3.7	17
27	Cryopreservation of NK and T Cells Without DMSO for Adoptive Cell-Based Immunotherapy. <i>BioDrugs</i> , 2021, 35, 529-545.	4.6	17
28	Differentiation of natural killer cells from induced pluripotent stem cells under defined, serum- and feeder-free conditions. <i>Cytotherapy</i> , 2021, 23, 939-952.	0.7	16
29	Optimized Removal of Soluble Host Cell Proteins for the Recovery of met-Human Growth Hormone Inclusion Bodies from Escherichia coli Cell Lysate Using Crossflow Microfiltration. <i>Biotechnology Progress</i> , 2008, 23, 667-672.	2.6	15
30	Axial plane single-molecule super-resolution microscopy of whole cells. <i>Biomedical Optics Express</i> , 2020, 11, 461.	2.9	12
31	Quantification of kinetics for enzyme-catalysed reactions: implications for diffusional limitations at the 10 ⁶ ml scale. <i>Biotechnology Letters</i> , 2008, 30, 995-1000.	2.2	11
32	Engineered natural killer cells impede the immunometabolic CD73-adenosine axis in solid tumors. <i>ELife</i> , 0, 11, .	6.0	11
33	Immunometabolic Responses of Natural Killer Cells to Inhibitory Tumor Microenvironment Checkpoints. <i>Immunometabolism</i> , 2019, 1, .	1.6	10
34	Functional expression of CD73 on human natural killer cells. <i>Cancer Immunology, Immunotherapy</i> , 2022, 71, 3043-3056.	4.2	8
35	Points to Consider for Cell Manufacturing Equipment and Components. <i>Cell & Gene Therapy Insights</i> , 2017, 3, 793-805.	0.1	5
36	Rora Regulates Neutrophil Migration and Activation in Zebrafish. <i>Frontiers in Immunology</i> , 2022, 13, 756034.	4.8	5

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37	Matrix metalloproteinases as reagents for cell isolation. <i>Enzyme and Microbial Technology</i> , 2016, 93-94, 29-43.	3.2	3
38	Layer-By-Layer Assembly of Cellular Structures. <i>Biophysical Journal</i> , 2012, 102, 28a.	0.5	1
39	Cryopreservation of stem cells for the future: looking beyond DMSO. <i>Cytotherapy</i> , 2014, 16, S99.	0.7	1
40	Targeting natural killer cells in cancer immunotherapy. , 2022, , 63-82.		1
41	Towards engineering of de novo pathways for the synthesis of chiral chemicals using in vitro and in vivo approaches. <i>New Biotechnology</i> , 2009, 25, S159.	4.4	0
42	Microfluidic Construction of Synthetic Cellular Structures. <i>Biophysical Journal</i> , 2012, 102, 502a.	0.5	0
43	Layer-By-Layer Assembly of Complex Membranes. <i>Biophysical Journal</i> , 2013, 104, 676a.	0.5	0
44	Novel bio-inspired DMSO-free cryoprotectants for hard-to-preserve cell. <i>Cytotherapy</i> , 2015, 17, S75.	0.7	0
45	Isolation of mesenchymal stem cells using matrix metalloproteases. <i>Cytotherapy</i> , 2015, 17, S44-S45.	0.7	0
46	Regenerative Medicine in the State of Florida: Letter Outlining the Florida Organization for Regenerative Medicine. <i>Stem Cells Translational Medicine</i> , 2018, 7, 511-512.	3.3	0
47	Immunometabolic targeting of NK cells to solid tumors. , 2021, , 349-368.		0
48	Reprogramming of natural killer cells and their use in immunotherapies of solid tumors. <i>Immunotherapy</i> , 2020, 12, 605-608.	2.0	0
49	Liposome-Scaffold Systems for Drug Delivery. , 2020, , 1-46.		0
50	171â€¦Targeting the Immunomodulatory roles of T-cell immunoglobulinâ€¦ and mucin domainâ€¦containing (TIM)â€¦3 on natural killer cells in glioblastoma. , 2021, 9, A182-A182.		0
51	799â€¦Neoantigen-cytokine-chemokine multifunctional natural killer cell engager for immunotherapy of solid tumors. , 2021, 9, A834-A834.		0
52	130â€¦Engineered natural killer cells reactively block TIGIT and CD73 in the GBM microenvironment. , 2021, 9, A139-A139.		0
53	150â€¦Targeted delivery of a PD-L1-blocking scFv by CAR-NK cells shows potential as a new approach to immunotherapy for glioblastoma. , 2021, 9, A158-A158.		0
54	530â€¦T-cell immunoglobulinâ€¦ and mucin domainâ€¦containing (TIM)â€¦3 downregulation in response to ex vivo activation and cancer targets correlates to NK cell functionality. , 2020, , .		0

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55	163â€¦Nice: neoantigen-cytokine-chemokine multifunctional engager for NK cell immunotherapy of solid tumors. , 2020, , .		0
56	138â€¦In vivo localization of genetically engineered natural killer cells against glioblastoma using PET imaging. , 2020, , .		0
57	123â€¦Natural killer cells engineered with an inducible, responsive genetic construct targeting TIGIT and CD73 to relieve immunosuppression within the GBM microenvironment. , 2020, , .		0
58	134â€¦Tumor-responsive, multi-functional genetically-engineered natural killer cells for immunotherapy of glioblastoma. , 2020, , .		0