

# Simone Kreth

## List of Publications by Year in descending order

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65  
papers

2,883  
citations

156536

32  
h-index

198040

52  
g-index

65  
all docs

65  
docs citations

65  
times ranked

5524  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cell-Crossing Functional Network Driven by microRNA-125a Regulates Endothelial Permeability and Monocyte Trafficking in Acute Inflammation. <i>Frontiers in Immunology</i> , 2022, 13, 826047.	2.2	4
2	Very low-carbohydrate diet enhances human T-cell immunity through immunometabolic reprogramming. <i>EMBO Molecular Medicine</i> , 2021, 13, e14323.	3.3	44
3	Impact of carbohydrate-reduced nutrition in septic patients on ICU: study protocol for a prospective randomised controlled trial. <i>BMJ Open</i> , 2020, 10, e038532.	0.8	7
4	MicroRNA-93 acts as an anti-inflammatory tumor suppressor in glioblastoma. <i>Neuro-Oncology Advances</i> , 2020, 2, vdaa047.	0.4	9
5	Hypoxic-Inflammatory Responses under Acute Hypoxia: In Vitro Experiments and Prospective Observational Expedition Trial. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1034.	1.8	22
6	The IL-1 Antagonist Anakinra Attenuates Glioblastoma Aggressiveness by Dampening Tumor-Associated Inflammation. <i>Cancers</i> , 2020, 12, 433.	1.7	14
7	Dynamic 18F-FET PET is a powerful imaging biomarker in gadolinium-negative gliomas. <i>Neuro-Oncology</i> , 2019, 21, 274-284.	0.6	30
8	Identification of suitable controls for miRNA quantification in T-cells and whole blood cells in sepsis. <i>Scientific Reports</i> , 2019, 9, 15735.	1.6	11
9	Inactivation of the tyrosine phosphatase SHP-2 drives vascular dysfunction in Sepsis. <i>EBioMedicine</i> , 2019, 42, 120-132.	2.7	23
10	TMIC-44. IL-1 ANTAGONIST ANAKINRA INHIBITS GLIOBLASTOMA PROLIFERATION BY ANTAGONIZING THE PROINFLAMMATORY MICROENVIRONMENT. <i>Neuro-Oncology</i> , 2019, 21, vi257-vi257.	0.6	0
11	Myeloid-Derived Suppressor Cells Mediate Immunosuppression After Cardiopulmonary Bypass. <i>Critical Care Medicine</i> , 2019, 47, e700-e709.	0.4	15
12	Hypoxia-inducible factor 2-alpha-dependent induction of amphiregulin dampens myocardial ischemia-reperfusion injury. <i>Nature Communications</i> , 2018, 9, 816.	5.8	100
13	Identification and Validation of Potential Differential miRNA Regulation via Alternative Polyadenylation. <i>Methods in Molecular Biology</i> , 2018, 1733, 87-92.	0.4	1
14	MicroRNAs as Clinical Biomarkers and Therapeutic Tools in Perioperative Medicine. <i>Anesthesia and Analgesia</i> , 2018, 126, 670-681.	1.1	65
15	TMIC-24. TUMOR-SUPPRESSIVE AND ANTI-INFLAMMATORY microRNA-93 IS DECREASED IN GLIOBLASTOMA PATIENTS. <i>Neuro-Oncology</i> , 2018, 20, vi261-vi261.	0.6	0
16	CSIG-16. INTRONIC miR-744 INHIBITS GLIOBLASTOMA INVASION THROUGH INHIBITION OF MAPK-, SMAD- AND BETA-CATENIN SIGNALING. <i>Neuro-Oncology</i> , 2018, 20, vi46-vi46.	0.6	0
17	Intronic miR-744 Inhibits Glioblastoma Migration by Functionally Antagonizing Its Host Gene MAP2K4. <i>Cancers</i> , 2018, 10, 400.	1.7	20
18	MicroRNAs 143 and 150 in whole blood enable detection of T-cell immunoparalysis in sepsis. <i>Molecular Medicine</i> , 2018, 24, 54.	1.9	33

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19	MiRNAs: dynamic regulators of immune cell functions in inflammation and cancer. <i>Cancer Letters</i> , 2018, 431, 11-21.	3.2	88
20	Soluble intercellular adhesion molecule-1: a potential biomarker for pain intensity in chronic pain patients. <i>Biomarkers in Medicine</i> , 2017, 11, 265-276.	0.6	11
21	Intronic miRNA-641 controls its host Gene's pathway PI3K/AKT and this relationship is dysfunctional in glioblastoma multiforme. <i>Biochemical and Biophysical Research Communications</i> , 2017, 489, 477-483.	1.0	25
22	Outcome in unresectable glioblastoma: MGMT promoter methylation makes the difference. <i>Journal of Neurology</i> , 2017, 264, 350-358.	1.8	27
23	Neutrophil transfer of miR-223 to lung epithelial cells dampens acute lung injury in mice. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	162
24	Ultrasensitive SPR detection of miRNA-93 using antibody-enhanced and enzymatic signal amplification. <i>Engineering in Life Sciences</i> , 2017, 17, 1264-1270.	2.0	8
25	MIRIAD update: using alternative polyadenylation, protein interaction network analysis and additional species to enhance exploration of the role of intragenic miRNAs and their host genes. <i>Database: the Journal of Biological Databases and Curation</i> , 2017, 2017, .	1.4	10
26	Emerging Roles for MicroRNAs in Perioperative Medicine. <i>Anesthesiology</i> , 2016, 124, 489-506.	1.3	64
27	Down-regulation of MicroRNA-31 in CD4+ T Cells Contributes to Immunosuppression in Human Sepsis by Promoting TH2 Skewing. <i>Anesthesiology</i> , 2016, 124, 908-922.	1.3	34
28	miR-124a and miR-155 enhance differentiation of regulatory T cells in patients with neuropathic pain. <i>Journal of Neuroinflammation</i> , 2016, 13, 248.	3.1	62
29	Differential expression of P2X7 receptor and IL-1 $\beta$ in nociceptive and neuropathic pain. <i>Journal of Neuroinflammation</i> , 2016, 13, 100.	3.1	47
30	Dynamic <sup>18</sup> F-FET PET in suspected WHO grade II gliomas defines distinct biological subgroups with different clinical courses. <i>International Journal of Cancer</i> , 2015, 136, 2132-2145.	2.3	68
31	Alternative Polyadenylation Allows Differential Negative Feedback of Human miRNA miR-579 on Its Host Gene ZFR. <i>PLoS ONE</i> , 2015, 10, e0121507.	1.1	24
32	SURG-25 INTERSTITIAL PHOTODYNAMIC THERAPY OF DE-NOVO GLIOBLASTOMA MULTIFORME WHO IV. <i>Neuro-Oncology</i> , 2015, 17, v219.5-v220.	0.6	23
33	IMPS-15 PDT-TREATED GBM CELLS INCREASE EFFECTOR FUNCTIONS OF HUMAN CD8+ T-CELLS. <i>Neuro-Oncology</i> , 2015, 17, v116.2-v116.	0.6	2
34	Anti-inflammatory T-cell shift in neuropathic pain. <i>Journal of Neuroinflammation</i> , 2015, 12, 12.	3.1	60
35	MicroRNA-146a controls Th1 cell differentiation of human CD4 <sup>+</sup> T lymphocytes by targeting PRKC $\mu$ . <i>European Journal of Immunology</i> , 2015, 45, 260-272.	1.6	48
36	MIRIAD <sup>2</sup> integrating microRNA inter- and intragenic data. <i>Database: the Journal of Biological Databases and Curation</i> , 2014, 2014, .	1.4	85

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37	MicroRNA-150 inhibits expression of adiponectin receptor 2 and is a potential therapeutic target in patients with chronic heart failure. <i>Journal of Heart and Lung Transplantation</i> , 2014, 33, 252-260.	0.3	17
38	MicroRNA-665 is involved in the regulation of the expression of the cardioprotective cannabinoid receptor CB2 in patients with severe heart failure. <i>Biochemical and Biophysical Research Communications</i> , 2014, 451, 516-521.	1.0	31
39	Epigenetics in human gliomas. <i>Cancer Letters</i> , 2014, 342, 185-192.	3.2	48
40	Disrupted TH17/Treg Balance in Patients with Chronic Low Back Pain. <i>PLoS ONE</i> , 2014, 9, e104883.	1.1	47
41	In human glioblastomas transcript elongation by alternative polyadenylation and miRNA targeting is a potent mechanism of MGMT silencing. <i>Acta Neuropathologica</i> , 2013, 125, 671-681.	3.9	73
42	Setting Up an Intronic miRNA Database. <i>Methods in Molecular Biology</i> , 2013, 936, 69-76.	0.4	6
43	Experimental miRNA Target Validation. <i>Methods in Molecular Biology</i> , 2013, 936, 83-90.	0.4	7
44	Personalized treatment strategies in glioblastoma: MGMT promoter methylation status. <i>OncoTargets and Therapy</i> , 2013, 6, 1363.	1.0	127
45	Local expression of myocardial galectin-3 does not correlate with its serum levels in patients undergoing heart transplantation. <i>Annals of Transplantation</i> , 2013, 18, 643-650.	0.5	20
46	Adenosine A2A Receptor Upregulation in Human PMNs Is Controlled by miRNA-214, miRNA-15, and miRNA-16. <i>Shock</i> , 2012, 37, 156-163.	1.0	33
47	Corticosteroid resistance in sepsis is influenced by microRNA-124-induced downregulation of glucocorticoid receptor-1 $\alpha$ *. <i>Critical Care Medicine</i> , 2012, 40, 2745-2753.	0.4	116
48	IDH1 mutations in grade II astrocytomas are associated with unfavorable progression-free survival and prolonged postrecurrence survival. <i>Cancer</i> , 2012, 118, 452-460.	2.0	77
49	Predominant influence of MGMT methylation in non-resectable glioblastoma after radiotherapy plus temozolomide. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2011, 82, 441-446.	0.9	45
50	Ghrelin, A Novel Peptide Hormone in the Regulation of Energy Balance and Cardiovascular Function. <i>Recent Patents on Endocrine, Metabolic &amp; Immune Drug Discovery</i> , 2011, 5, 1-6.	0.7	35
51	MicroRNAs as Potential Therapeutic Agents in the Treatment of Myocardial Infarction. <i>Current Vascular Pharmacology</i> , 2011, 9, 733-740.	0.8	7
52	Selection of reliable reference genes for quantitative real-time PCR in human T cells and neutrophils. <i>BMC Research Notes</i> , 2011, 4, 427.	0.6	106
53	O6-Methylguanine-DNA Methyltransferase (MGMT) mRNA Expression Predicts Outcome in Malignant Glioma Independent of MGMT Promoter Methylation. <i>PLoS ONE</i> , 2011, 6, e17156.	1.1	97
54	IMMUNOMODULATORY PROPERTIES OF PENTOXIFYLLINE ARE MEDIATED VIA ADENOSINE-DEPENDENT PATHWAYS. <i>Shock</i> , 2010, 34, 10-16.	1.0	53

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55	Altered myocardial expression of ghrelin and its receptor (GHSR-1a) in patients with severe heart failure. <i>Peptides</i> , 2010, 31, 2222-2228.	1.2	66
56	Substantially altered expression pattern of cannabinoid receptor 2 and activated endocannabinoid system in patients with severe heart failure. <i>Journal of Molecular and Cellular Cardiology</i> , 2010, 48, 1187-1193.	0.9	72
57	Identification of valid endogenous control genes for determining gene expression in human glioma. <i>Neuro-Oncology</i> , 2010, 12, 570-579.	0.6	48
58	Motion Sickness, Stress and the Endocannabinoid System. <i>PLoS ONE</i> , 2010, 5, e10752.	1.1	117
59	Reduced ligand affinity leads to an impaired function of the adenosine A <sub>2A</sub> receptor of human granulocytes in sepsis. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 985-994.	1.6	25
60	Stress doses of hydrocortisone in high-risk patients undergoing cardiac surgery: Effects on interleukin-6 to interleukin-10 ratio and early outcome*. <i>Critical Care Medicine</i> , 2009, 37, 1685-1690.	0.4	86
61	Novel Molecular Stereotactic Biopsy Procedures Reveal Intratumoral Homogeneity of Loss of Heterozygosity of 1p/19q and TP53 Mutations in World Health Organization Grade II Gliomas. <i>Journal of Neuropathology and Experimental Neurology</i> , 2009, 68, 1219-1228.	0.9	66
62	Differential expression of 5' UTR splice variants of the adenosine A <sub>2A</sub> receptor gene in human granulocytes: identification, characterization, and functional impact on activation. <i>FASEB Journal</i> , 2008, 22, 3276-3286.	0.2	29
63	Huge intracardiac thrombosis in a patient on veno-arterial extracorporeal membrane oxygenation support. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2008, 8, 247-249.	0.5	16
64	Targeted Deletion of HIF-1 $\beta$ Gene in T Cells Prevents their Inhibition in Hypoxic Inflamed Tissues and Improves Septic Mice Survival. <i>PLoS ONE</i> , 2007, 2, e853.	1.1	155
65	Ketone Bodies Improve Human CD8+ Cytotoxic T-Cell Immune Response During COVID-19 Infection. <i>Frontiers in Medicine</i> , 0, 9, .	1.2	12