Simone Kreth

List of Publications by Year
in descending order

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65 papers	2,883 citations	136950 32 h-index	175258 52 g-index
65 all docs	65 docs citations	65 times ranked	5152 citing authors

#	Article	IF	Citations
1	Neutrophil transfer of miR-223 to lung epithelial cells dampens acute lung injury in mice. Science Translational Medicine, 2017, 9, .	12.4	162
2	Targeted Deletion of HIF-1Î± Gene in T Cells Prevents their Inhibition in Hypoxic Inflamed Tissues and Improves Septic Mice Survival. PLoS ONE, 2007, 2, e853.	2.5	155
3	Personalized treatment strategies in glioblastoma: MGMT promoter methylation status. OncoTargets and Therapy, 2013, 6, 1363.	2.0	127
4	Motion Sickness, Stress and the Endocannabinoid System. PLoS ONE, 2010, 5, e10752.	2.5	117
5	Corticosteroid resistance in sepsis is influenced by microRNA-124â€“induced downregulation of glucocorticoid receptor-Î±*. Critical Care Medicine, 2012, 40, 2745-2753.	0.9	116
6	Selection of reliable reference genes for quantitative real-time PCR in human T cells and neutrophils. BMC Research Notes, 2011, 4, 427.	1.4	106
7	Hypoxia-inducible factor 2-alpha-dependent induction of amphiregulin dampens myocardial ischemia-reperfusion injury. Nature Communications, 2018, 9, 816.	12.8	100
8	O6-Methylguanine-DNA Methyltransferase (MGMT) mRNA Expression Predicts Outcome in Malignant Glioma Independent of MGMT Promoter Methylation. PLoS ONE, 2011, 6, e17156.	2.5	97
9	MiRNAs: dynamic regulators of immune cell functions in inflammation and cancer. Cancer Letters, 2018, 431, 11-21.	7.2	88
10	Stress doses of hydrocortisone in high-risk patients undergoing cardiac surgery: Effects on interleukin-6 to interleukin-10 ratio and early outcome*. Critical Care Medicine, 2009, 37, 1685-1690.	0.9	86
11	miRIADâ€”integrating microRNA inter- and intragenic data. Database: the Journal of Biological Databases and Curation, 2014, 2014, .	3.0	85
12	IDH1 mutations in grade II astrocytomas are associated with unfavorable progressionâ€free survival and prolonged postrecurrence survival. Cancer, 2012, 118, 452-460.	4.1	77
13	In human glioblastomas transcript elongation by alternative polyadenylation and miRNA targeting is a potent mechanism of MGMT silencing. Acta Neuropathologica, 2013, 125, 671-681.	7.7	73
14	Substantially altered expression pattern of cannabinoid receptor 2 and activated endocannabinoid system in patients with severe heart failure. Journal of Molecular and Cellular Cardiology, 2010, 48, 1187-1193.	1.9	72
15	Dynamic ¹⁸<scp>Fâ€FET PET</scp> in suspected <scp>WHO</scp> grade II gliomas defines distinct biological subgroups with different clinical courses. International Journal of Cancer, 2015, 136, 2132-2145.	5.1	68
16	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. Journal of Neuropathology and Experimental Neurology, 2009, 68, 1219-1228.	1.7	66
17	Altered myocardial expression of ghrelin and its receptor (GHSR-1a) in patients with severe heart failure. Peptides, 2010, 31, 2222-2228.	2.4	66
18	MicroRNAs as Clinical Biomarkers and Therapeutic Tools in Perioperative Medicine. Anesthesia and Analgesia, 2018, 126, 670-681.	2.2	65

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19	Emerging Roles for MicroRNAs in Perioperative Medicine. Anesthesiology, 2016, 124, 489-506.	2.5	64
20	miR-124a and miR-155 enhance differentiation of regulatory T cells in patients with neuropathic pain. Journal of Neuroinflammation, 2016, 13, 248.	7.2	62
21	Anti-inflammatory T-cell shift in neuropathic pain. Journal of Neuroinflammation, 2015, 12, 12.	7.2	60
22	IMMUNOMODULATORY PROPERTIES OF PENTOXIFYLLINE ARE MEDIATED VIA ADENOSINE-DEPENDENT PATHWAYS. Shock, 2010, 34, 10-16.	2.1	53
23	Identification of valid endogenous control genes for determining gene expression in human glioma. Neuro-Oncology, 2010, 12, 570-579.	1.2	48
24	Epigenetics in human gliomas. Cancer Letters, 2014, 342, 185-192.	7.2	48
25	MicroRNAâ€146a controls Th1â€cell differentiation of human CD4⁺ T lymphocytes by targeting PRKCÎ¼. European Journal of Immunology, 2015, 45, 260-272.	2.9	48
26	Differential expression of P2X7 receptor and IL-1Î² in nociceptive and neuropathic pain. Journal of Neuroinflammation, 2016, 13, 100.	7.2	47
27	Disrupted TH17/Treg Balance in Patients with Chronic Low Back Pain. PLoS ONE, 2014, 9, e104883.	2.5	47
28	Predominant influence of MGMT methylation in non-resectable glioblastoma after radiotherapy plus temozolomide. Journal of Neurology, Neurosurgery and Psychiatry, 2011, 82, 441-446.	1.9	45
29	Veryâ€lowâ€carbohydrate diet enhances human Tâ€cell immunity through immunometabolic reprogramming. EMBO Molecular Medicine, 2021, 13, e14323.	6.9	44
30	Ghrelin, A Novel Peptide Hormone in the Regulation of Energy Balance and Cardiovascular Function. Recent Patents on Endocrine, Metabolic & Immune Drug Discovery, 2011, 5, 1-6.	0.6	35
31	Down-regulation of MicroRNA-31 in CD4+ T Cells Contributes to Immunosuppression in Human Sepsis by Promoting TH2 Skewing. Anesthesiology, 2016, 124, 908-922.	2.5	34
32	Adenosine A2A Receptor Upregulation in Human PMNs Is Controlled by miRNA-214, miRNA-15, and miRNA-16. Shock, 2012, 37, 156-163.	2.1	33
33	MicroRNAs 143 and 150 in whole blood enable detection of T-cell immunoparalysis in sepsis. Molecular Medicine, 2018, 24, 54.	4.4	33
34	MicroRNA-665 is involved in the regulation of the expression of the cardioprotective cannabinoid receptor CB2 in patients with severe heart failure. Biochemical and Biophysical Research Communications, 2014, 451, 516-521.	2.1	31
35	Dynamic 18F-FET PET is a powerful imaging biomarker in gadolinium-negative gliomas. Neuro-Oncology, 2019, 21, 274-284.	1.2	30
36	Differential expression of 5â€²â€UTR splice variants of the adenosine A_{2A}receptor gene in human granulocytes: identification, characterization, and functional impact on activation. FASEB Journal, 2008, 22, 3276-3286.	0.5	29

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37	Outcome in unresectable glioblastoma: MGMT promoter methylation makes the difference. Journal of Neurology, 2017, 264, 350-358.	3.6	27
38	Reduced ligand affinity leads to an impaired function of the adenosine A_{2A} receptor of human granulocytes in sepsis. Journal of Cellular and Molecular Medicine, 2009, 13, 985-994.	3.6	25
39	Intronic miRNA-641 controls its host Gene's pathway PI3K/AKT and this relationship is dysfunctional in glioblastoma multiforme. Biochemical and Biophysical Research Communications, 2017, 489, 477-483.	2.1	25
40	Alternative Polyadenylation Allows Differential Negative Feedback of Human miRNA miR-579 on Its Host Gene ZFR. PLoS ONE, 2015, 10, e0121507.	2.5	24
41	SURG-25INTERSTITIAL PHOTODYNAMIC THERAPY OF DE-NOVO GLIOBLASTOMA MULTIFORME WHO IV. Neuro-Oncology, 2015, 17, v219.5-v220.	1.2	23
42	Inactivation of the tyrosine phosphatase SHP-2 drives vascular dysfunction in Sepsis. EBioMedicine, 2019, 42, 120-132.	6.1	23
43	Hypoxic-Inflammatory Responses under Acute Hypoxia: In Vitro Experiments and Prospective Observational Expedition Trial. International Journal of Molecular Sciences, 2020, 21, 1034.	4.1	22
44	Intronic miR-744 Inhibits Glioblastoma Migration by Functionally Antagonizing Its Host Gene MAP2K4. Cancers, 2018, 10, 400.	3.7	20
45	Local expression of myocardial galectin-3 does not correlate with its serum levels in patients undergoing heart transplantation. Annals of Transplantation, 2013, 18, 643-650.	0.9	20
46	MicroRNA-150 inhibits expression of adiponectin receptor 2 and is a potential therapeutic target in patients with chronic heart failure. Journal of Heart and Lung Transplantation, 2014, 33, 252-260.	0.6	17
47	Huge intracardiac thrombosis in a patient on veno-arterial extracorporeal membrane oxygenation support. Interactive Cardiovascular and Thoracic Surgery, 2008, 8, 247-249.	1.1	16
48	Myeloid-Derived Suppressor Cells Mediate Immunosuppression After Cardiopulmonary Bypass. Critical Care Medicine, 2019, 47, e700-e709.	0.9	15
49	The IL-1 Antagonist Anakinra Attenuates Glioblastoma Aggressiveness by Dampening Tumor-Associated Inflammation. Cancers, 2020, 12, 433.	3.7	14
50	Ketone Bodies Improve Human CD8+ Cytotoxic T-Cell Immune Response During COVID-19 Infection. Frontiers in Medicine, 0, 9, .	2.6	12
51	Soluble intercellular adhesion molecule-1: a potential biomarker for pain intensity in chronic pain patients. Biomarkers in Medicine, 2017, 11, 265-276.	1.4	11
52	Identification of suitable controls for miRNA quantification in T-cells and whole blood cells in sepsis. Scientific Reports, 2019, 9, 15735.	3.3	11
53	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. Database: the Journal of Biological Databases and Curation, 2017, 2017, .	3.0	10
54	MicroRNA-93 acts as an â€œanti-inflammatory tumor suppressorâ€•in glioblastoma. Neuro-Oncology Advances, 2020, 2, vdaa047.	0.7	9

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55	Ultrasensitive SPR detection of miRNAâ€93 using antibodyâ€enhanced and enzymatic signal amplification. Engineering in Life Sciences, 2017, 17, 1264-1270.	3.6	8
56	MicroRNAs as Potential Therapeutic Agents in the Treatment of Myocardial Infarction. Current Vascular Pharmacology, 2011, 9, 733-740.	1.7	7
57	Experimental miRNA Target Validation. Methods in Molecular Biology, 2013, 936, 83-90.	0.9	7
58	Impact of carbohydrate-reduced nutrition in septic patients on ICU: study protocol for a prospective randomised controlled trial. BMJ Open, 2020, 10, e038532.	1.9	7
59	Setting Up an Intronic miRNA Database. Methods in Molecular Biology, 2013, 936, 69-76.	0.9	6
60	Cell-Crossing Functional Network Driven by microRNA-125a Regulates Endothelial Permeability and Monocyte Trafficking in Acute Inflammation. Frontiers in Immunology, 2022, 13, 826047.	4.8	4
61	IMPS-15PDT-TREATED GBM CELLS INCREASE EFFECTOR FUNCTIONS OF HUMAN CD8+ T-CELLS. Neuro-Oncology, 2015, 17, v116.2-v116.	1.2	2
62	Identification and Validation of Potential Differential miRNA Regulation via Alternative Polyadenylation. Methods in Molecular Biology, 2018, 1733, 87-92.	0.9	1
63	TMIC-24. TUMOR-SUPPRESSIVE AND ANTI-INFLAMMATORY microRNA-93 IS DECREASED IN GLIOBLASTOMA PATIENTS. Neuro-Oncology, 2018, 20, vi261-vi261.	1.2	0
64	CSIG-16. INTRONIC miR-744 INHIBITS GLIOBLASTOMA INVASION THROUGH INHIBITION OF MAPK-, SMAD- AND BETA-CATENIN SIGNALING. Neuro-Oncology, 2018, 20, vi46-vi46.	1.2	0
65	TMIC-44. IL-1 ANTAGONIST ANAKINRA INHIBITS GLIOBLASTOMA PROLIFERATION BY ANTAGONIZING THE PROINFLAMMATORY MICROENVIRONMENT. Neuro-Oncology, 2019, 21, vi257-vi257.	1.2	0