

Johan Kreuger

List of Publications by Year in descending order

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47
papers

6,086
citations

236612

25
h-index

214527

47
g-index

52
all docs

52
docs citations

52
times ranked

9262
citing authors

#	ARTICLE	IF	CITATIONS
1	VEGF receptor signalling ? in control of vascular function. Nature Reviews Molecular Cell Biology, 2006, 7, 359-371.	16.1	2,698
2	Interactions between heparan sulfate and proteins: the concept of specificity. Journal of Cell Biology, 2006, 174, 323-327.	2.3	421
3	Heparan Sulfate Biosynthesis. Journal of Histochemistry and Cytochemistry, 2012, 60, 898-907.	1.3	242
4	Heparan Sulfate in trans Potentiates VEGFR-Mediated Angiogenesis. Developmental Cell, 2006, 10, 625-634.	3.1	220
5	Sequence Analysis of Heparan Sulfate Epitopes with Graded Affinities for Fibroblast Growth Factors 1 and 2. Journal of Biological Chemistry, 2001, 276, 30744-30752.	1.6	211
6	Opposing Activities of Dally-like Glypican at High and Low Levels of Wingless Morphogen Activity. Developmental Cell, 2004, 7, 503-512.	3.1	202
7	Structural basis and potential role of heparin/heparan sulfate binding to the angiogenesis inhibitor endostatin. EMBO Journal, 1999, 18, 6240-6248.	3.5	196
8	Selectively Desulfated Heparin Inhibits Fibroblast Growth Factor-induced Mitogenicity and Angiogenesis. Journal of Biological Chemistry, 2000, 275, 24653-24660.	1.6	164
9	VEGF receptor 2/3 heterodimers detected in situ by proximity ligation on angiogenic sprouts. EMBO Journal, 2010, 29, 1377-1388.	3.5	149
10	VEGF suppresses T lymphocyte infiltration in the tumor microenvironment through inhibition of NF- κ B-induced endothelial activation. FASEB Journal, 2015, 29, 227-238.	0.2	147
11	Endothelial Cell Migration in Stable Gradients of Vascular Endothelial Growth Factor A and Fibroblast Growth Factor 2. Journal of Biological Chemistry, 2008, 283, 13905-13912.	1.6	143
12	Endoplasmic reticulum stress enhances fibrosis through IRE1-mediated degradation of miR-150 and XBP-1 splicing. EMBO Molecular Medicine, 2016, 8, 729-744.	3.3	122
13	Targeting vascular and leukocyte communication in angiogenesis, inflammation and fibrosis. Nature Reviews Drug Discovery, 2016, 15, 125-142.	21.5	115
14	Biosynthetic Oligosaccharide Libraries for Identification of Protein-binding Heparan Sulfate Motifs. Journal of Biological Chemistry, 2002, 277, 30567-30573.	1.6	90
15	Building blood vessels stem cell models in vascular biology. Journal of Cell Biology, 2007, 177, 751-755.	2.3	89
16	Role of heparan sulfate domain organization in endostatin inhibition of endothelial cell function. EMBO Journal, 2002, 21, 6303-6311.	3.5	84
17	Fibroblast growth factors share binding sites in heparan sulphate. Biochemical Journal, 2005, 389, 145-150.	1.7	79
18	Binding of Heparin/Heparan Sulfate to Fibroblast Growth Factor Receptor 4. Journal of Biological Chemistry, 2001, 276, 16868-16876.	1.6	78

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19	Functional Overlap Between Chondroitin and Heparan Sulfate Proteoglycans During VEGF-Induced Sprouting Angiogenesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 1255-1263.	1.1	62
20	On the Roles and Regulation of Chondroitin Sulfate and Heparan Sulfate in Zebrafish Pharyngeal Cartilage Morphogenesis. <i>Journal of Biological Chemistry</i> , 2012, 287, 33905-33916.	1.6	56
21	On the role of glypicans in the process of morphogen gradient formation. <i>Developmental Biology</i> , 2006, 300, 512-522.	0.9	53
22	Early Lymph Vessel Development From Embryonic Stem Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006, 26, 1073-1078.	1.1	51
23	A fluidic device to study directional angiogenesis in complex tissue and organ culture models. <i>Lab on A Chip</i> , 2009, 9, 529-535.	3.1	47
24	A Modular and Affordable Time-Lapse Imaging and Incubation System Based on 3D-Printed Parts, a Smartphone, and Off-The-Shelf Electronics. <i>PLoS ONE</i> , 2016, 11, e0167583.	1.1	31
25	Exocyst Complex Component 3-like 2 (EXOC3L2) Associates with the Exocyst Complex and Mediates Directional Migration of Endothelial Cells. <i>Journal of Biological Chemistry</i> , 2011, 286, 24189-24199.	1.6	28
26	MicroRNA-24 Suppression of N-Deacetylase/N-Sulfotransferase-1 (NDST1) Reduces Endothelial Cell Responsiveness to Vascular Endothelial Growth Factor A (VEGFA). <i>Journal of Biological Chemistry</i> , 2013, 288, 25956-25963.	1.6	28
27	Nitrocellulose Filter Binding to Assess Binding of Glycosaminoglycans to Proteins. <i>Methods in Enzymology</i> , 2003, 363, 327-339.	0.4	27
28	The atypical Rho GTPase RhoD is a regulator of actin cytoskeleton dynamics and directed cell migration. <i>Experimental Cell Research</i> , 2017, 352, 255-264.	1.2	24
29	CombiANT: Antibiotic interaction testing made easy. <i>PLoS Biology</i> , 2020, 18, e3000856.	2.6	24
30	Expression of chondroitin/dermatan sulfate glycosyltransferases during early zebrafish development. <i>Developmental Dynamics</i> , 2013, 242, 964-975.	0.8	21
31	A Multiplex Fluidic Chip for Rapid Phenotypic Antibiotic Susceptibility Testing. <i>MBio</i> , 2020, 11, .	1.8	20
32	Formation of precisely composed cancer cell clusters using a cell assembly generator (CAGE) for studying paracrine signaling at single-cell resolution. <i>Lab on A Chip</i> , 2019, 19, 1071-1081.	3.1	18
33	Modular microfluidic systems cast from 3D-printed molds for imaging leukocyte adherence to differentially treated endothelial cultures. <i>Scientific Reports</i> , 2019, 9, 11321.	1.6	17
34	Vascular sprouts induce local attraction of proangiogenic neutrophils. <i>Journal of Leukocyte Biology</i> , 2017, 102, 741-751.	1.5	15
35	FGD5 sustains vascular endothelial growth factor A (VEGFA) signaling through inhibition of proteasome-mediated VEGF receptor 2 degradation. <i>Cellular Signalling</i> , 2017, 40, 125-132.	1.7	15
36	A Microfluidic Chip for Studies of the Dynamics of Antibiotic Resistance Selection in Bacterial Biofilms. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, .	1.8	15

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37	Identification of O-sulphate substituents on D-glucuronic acid units in heparin-related glycosaminoglycans using novel synthetic disaccharide standards. <i>Glycobiology</i> , 1995, 5, 807-811.	1.3	14
38	Turning Up the Heat: Local Temperature Control During in vivo Imaging of Immune Cells. <i>Frontiers in Immunology</i> , 2019, 10, 2036.	2.2	11
39	Fibrin fragment E potentiates TGF- β ² -induced myofibroblast activation and recruitment. <i>Cellular Signalling</i> , 2020, 72, 109661.	1.7	10
40	An open source extrusion bioprinter based on the E3D motion system and tool changer to enable FRESH and multimaterial bioprinting. <i>Scientific Reports</i> , 2021, 11, 21547.	1.6	10
41	The Potential of Stereolithography for 3D Printing of Synthetic Trabecular Bone Structures. <i>Materials</i> , 2021, 14, 3712.	1.3	8
42	Piezo1 activation attenuates thrombin-induced blebbing in breast cancer cells. <i>Journal of Cell Science</i> , 2022, 135, .	1.2	8
43	Well-Plate $\frac{1}{4}$ FASP for Proteomic Analysis of Single Pancreatic Islets. <i>Journal of Proteome Research</i> , 2022, 21, 1167-1174.	1.8	6
44	A disposable and multifunctional capsule for easy operation of microfluidic elastomer systems. <i>Journal of Micromechanics and Microengineering</i> , 2011, 21, 127001.	1.5	4
45	Evaluation of the Speed, Accuracy and Precision of the QuickMIC Rapid Antibiotic Susceptibility Testing Assay With Gram-Negative Bacteria in a Clinical Setting. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 758262.	1.8	4
46	Failure to Genotype: A Cautionary Note on an Elusive loxP Sequence. <i>PLoS ONE</i> , 2016, 11, e0165012.	1.1	1
47	Modeling the structural implications of an alternatively spliced Exoc3l2, a paralog of the tunneling nanotube-forming M-Sec. <i>PLoS ONE</i> , 2018, 13, e0201557.	1.1	1