Alan C Rapraeger

List of Publications by Year
in descending order

22	1,941	394421 19	677142 22
papers	citations	h-index	g-index

24	24	24	1859
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Syndecan-1 regulates Î±vÎ²3 and Î±vÎ²5 integrin activation during angiogenesis and is blocked by synstatin, a novel peptide inhibitor. Journal of Experimental Medicine, 2009, 206, 691-705.	8.5	249
2	The syndecan-1 ectodomain regulates Î±vÎ²3 integrin activity in human mammary carcinoma cells. Journal of Cell Biology, 2004, 167, 171-181.	5.2	217
3	Heparanase-enhanced shedding of syndecan-1 by myeloma cells promotes endothelial invasion and angiogenesis. Blood, 2010, 115, 2449-2457.	1.4	198
4	Heparanase regulation of cancer, autophagy and inflammation: new mechanisms and targets for therapy. FEBS Journal, 2017, 284, 42-55.	4.7	182
5	Syndecan-1-mediated cell spreading requires signaling by Î±vÎ²3 integrins in human breast carcinoma cells. Experimental Cell Research, 2003, 286, 219-232.	2.6	136
6	Syndecan-1 couples the insulin-like growth factor-1 receptor to inside-out integrin activation. Journal of Cell Science, 2010, 123, 3796-3807.	2.0	104
7	Differential ability of heparan sulfate proteoglycans to assemble the fibroblast growth factor receptor complexin situ. FASEB Journal, 2000, 14, 137-144.	0.5	102
8	Syndecan-1 regulates Î±vÎ²5 integrin activity in B82L fibroblasts. Journal of Cell Science, 2006, 119, 2445-2456.	2.0	97
9	Synstatin: a selective inhibitor of the syndecanâ€1â€coupled <scp>IGF</scp>1<scp>R</scp>â€“Î±vÎ²3 integrin complex in tumorigenesis and angiogenesis. FEBS Journal, 2013, 280, 2207-2215.	4.7	96
10	Vascular endothelialâ€cadherin stimulates syndecanâ€1â€coupled insulinâ€like growth factorâ€1 receptor and crossâ€talk between Î±<scp>V</scp>Î²3 integrin and vascular endothelial growth factor receptor 2 at the onset of endothelial cell dissemination during angiogenesis. FEBS Journal, 2013, 280, 2194-2206.	4.7	70
11	Identification of an Adhesion Site within the Syndecan-4 Extracellular Protein Domain. Journal of Biological Chemistry, 1997, 272, 12901-12904.	3.4	62
12	Interaction of Syndecan and Î±6Î²4 Integrin Cytoplasmic Domains. Journal of Biological Chemistry, 2010, 285, 13569-13579.	3.4	62
13	Characterization of the High Affinity Cell-binding Domain in the Cell Surface Proteoglycan Syndecan-4. Journal of Biological Chemistry, 1998, 273, 28270-28276.	3.4	61
14	Tyrosine Phosphorylation of Syndecan-1 and -4 Cytoplasmic Domains in Adherent B82 Fibroblasts. Journal of Biological Chemistry, 1998, 273, 35291-35298.	3.4	59
15	Syndecan-1 and Syndecan-4 Capture Epidermal Growth Factor Receptor Family Members and the Î±3Î²1 Integrin Via Binding Sites in Their Ectodomains. Journal of Biological Chemistry, 2015, 290, 26103-26113.	3.4	58
16	Cytoplasmic Domain Interactions of Syndecan-1 and Syndecan-4 with Î±6Î²4 Integrin Mediate Human Epidermal Growth Factor Receptor (HER1 and HER2)-dependent Motility and Survival. Journal of Biological Chemistry, 2014, 289, 30318-30332.	3.4	56
17	Syndecan-1 (CD138) Suppresses Apoptosis in Multiple Myeloma by Activating IGF1 Receptor: Prevention by SynstatinIGF1R Inhibits Tumor Growth. Cancer Research, 2016, 76, 4981-4993.	0.9	48
18	Transmembrane and Extracellular Domains of Syndecan-1 Have Distinct Functions in Regulating Lung Epithelial Migration and Adhesion. Journal of Biological Chemistry, 2012, 287, 34927-34935.	3.4	29

#	Article	IF	Citations
19	The Specificity of EGF-Stimulated IQGAP1 Scaffold Towards the PI3K-Akt Pathway is Defined by the IQ3 motif. Scientific Reports, 2019, 9, 9126.	3.3	26
20	VLA-4 phosphorylation during tumor and immune cell migration relies on its coupling to VEGFR2 and CXCR4 by syndecan-1. Journal of Cell Science, 2019, 132, .	2.0	13
21	Syndecans and Their Synstatins: Targeting an Organizer of Receptor Tyrosine Kinase Signaling at the Cell-Matrix Interface. Frontiers in Oncology, 2021, 11, 775349.	2.8	10
22	Plasma membrane proteoglycans syndecan-2 and syndecan-4 engage with EGFR and RON kinase to sustainÂcarcinoma cell cycle progression. Journal of Biological Chemistry, 2022, 298, 102029.	3.4	4