# Peter Van Der Geer

## List of Publications by Citations



| | | | |
|---|---|---|---|
| 32 papers | 6,061 citations | 21 h-index | 33 g-index |
| 33 ext. papers | 6,262 ext. citations | 8.5 avg, IF | 5.2 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 32 | Integrin-mediated signal transduction linked to Ras pathway by GRB2 binding to focal adhesion kinase. *Nature*, **1994**, 372, 786-91 | 50.4 | 1404 |
| 31 | Phosphopeptide mapping and phosphoamino acid analysis by two-dimensional separation on thin-layer cellulose plates. *Methods in Enzymology*, **1991**, 201, 110-49 | 1.7 | 1324 |
| 30 | Receptor protein-tyrosine kinases and their signal transduction pathways. *Annual Review of Cell Biology*, **1994**, 10, 251-337 | | 1066 |
| 29 | Transactivation by NF-IL6/LAP is enhanced by phosphorylation of its activation domain. *Nature*, **1993**, 364, 544-7 | 50.4 | 319 |
| 28 | MitoNEET is an iron-containing outer mitochondrial membrane protein that regulates oxidative capacity. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 5318-23 | 11.5 | 215 |
| 27 | The PTB domain: a new protein module implicated in signal transduction. *Trends in Biochemical Sciences*, **1995**, 20, 277-80 | 10.3 | 210 |
| 26 | The Shc adaptor protein is highly phosphorylated at conserved, twin tyrosine residues (Y239/240) that mediate protein-protein interactions. *Current Biology*, **1996**, 6, 1435-44 | 6.3 | 195 |
| 25 | A conserved amino-terminal Shc domain binds to phosphotyrosine motifs in activated receptors and phosphopeptides. *Current Biology*, **1995**, 5, 404-12 | 6.3 | 166 |
| 24 | Phosphorylation of rat serine 105 or mouse threonine 217 in C/EBP beta is required for hepatocyte proliferation induced by TGF alpha. *Molecular Cell*, **1999**, 4, 1087-92 | 17.6 | 160 |
| 23 | RasGAP-associated endoribonuclease G3Bp: selective RNA degradation and phosphorylation-dependent localization. *Molecular and Cellular Biology*, **2001**, 21, 7747-60 | 4.8 | 143 |
| 22 | Phosphopeptide mapping and phosphoamino acid analysis by electrophoresis and chromatography on thin-layer cellulose plates. *Electrophoresis*, **1994**, 15, 544-54 | 3.6 | 127 |
| 21 | The outer mitochondrial membrane protein mitoNEET contains a novel redox-active 2Fe-2S cluster. *Journal of Biological Chemistry*, **2007**, 282, 23745-9 | 5.4 | 116 |
| 20 | Tyrosine-phosphorylated low density lipoprotein receptor-related protein 1 (Lrp1) associates with the adaptor protein SHC in SRC-transformed cells. *Journal of Biological Chemistry*, **2001**, 276, 19119-25 | 5.4 | 95 |
| 19 | Wolfram Syndrome protein, Miner1, regulates sulphydryl redox status, the unfolded protein response, and Ca2+ homeostasis. *EMBO Molecular Medicine*, **2013**, 5, 904-18 | 12 | 83 |
| 18 | The receptor-like protein-tyrosine phosphatase, RPTP alpha, is phosphorylated by protein kinase C on two serines close to the inner face of the plasma membrane. *Journal of Biological Chemistry*, **1995**, 270, 10587-94 | 5.4 | 66 |
| 17 | C-Cbl binds the CSF-1 receptor at tyrosine 973, a novel phosphorylation site in the receptor's carboxy-terminus. *Oncogene*, **2002**, 21, 1079-89 | 9.2 | 64 |
| 16 | v-Src induces Shc binding to tyrosine 63 in the cytoplasmic domain of the LDL receptor-related protein 1. *Oncogene*, **2003**, 22, 3589-97 | 9.2 | 54 |

| | | | |
|---|---|---|---|
| 15 | Interactions of the NPXY microdomains of the low density lipoprotein receptor-related protein 1. *Proteomics*, **2009**, 9, 5016-28 | 4.8 | 48 |
| 14 | Phosphorylation of LRP1: regulation of transport and signal transduction. *Trends in Cardiovascular Medicine*, **2002**, 12, 160-5 | 6.9 | 45 |
| 13 | Multiple regions of internalin B contribute to its ability to turn on the Ras-mitogen-activated protein kinase pathway. *Journal of Biological Chemistry*, **2003**, 278, 7783-9 | 5.4 | 35 |
| 12 | Structural and functional consequences of tyrosine phosphorylation in the LRP1 cytoplasmic domain. *Journal of Biological Chemistry*, **2008**, 283, 15656-64 | 5.4 | 34 |
| 11 | The Shc adaptor protein forms interdependent phosphotyrosine-mediated protein complexes in mast cells stimulated with interleukin 3. *Blood*, **2000**, 96, 132-138 | 2.2 | 20 |
| 10 | Characterization of the phosphotyrosine-binding domain of the Drosophila Shc protein. *Journal of Biological Chemistry*, **1996**, 271, 31855-62 | 5.4 | 15 |
| 9 | Re-engineering the target specificity of the insulin receptor by modification of a PTB domain binding site. *Oncogene*, **1999**, 18, 3071-5 | 9.2 | 13 |
| 8 | Identification and mutagenesis of the TACE and □secretase cleavage sites in the colony-stimulating factor 1 receptor. *Biochemical and Biophysical Research Communications*, **2014**, 450, 782-7 | 3.4 | 11 |
| 7 | Engineering NGF receptors to bind Grb2 directly uncovers differences in signaling ability between Grb2- and ShcA-binding sites. *FEBS Letters*, **2012**, 586, 3658-64 | 3.8 | 8 |
| 6 | Analysis of protein-protein interactions by coimmunoprecipitation. *Methods in Enzymology*, **2014**, 541, 35-47 | 1.7 | 7 |
| 5 | Purification and identification of protein-tyrosine kinase-binding proteins using synthetic phosphopeptides as affinity reagents. *Molecular and Cellular Proteomics*, **2004**, 3, 887-95 | 7.6 | 5 |
| 4 | Identification of STS-1 as a novel ShcA-binding protein. *Biochemical and Biophysical Research Communications*, **2017**, 490, 1334-1339 | 3.4 | 4 |
| 3 | Phosphopeptide mapping and identification of phosphorylation sites. *Current Protocols in Molecular Biology*, **2001**, Chapter 18, Unit 18.9 | 2.9 | 4 |
| 2 | Phosphopeptide mapping and identification of phosphorylation sites. *Current Protocols in Protein Science*, **2001**, Chapter 13, Unit13.9 | 3.1 | 4 |
| 1 | The Shc adaptor protein forms interdependent phosphotyrosine-mediated protein complexes in mast cells stimulated with interleukin 3. *Blood*, **2000**, 96, 132-138 | 2.2 | 1 |