# David B Sacks

## List of Publications by Year in Descending Order



| | | | |
|---|---|---|---|
| 207 papers | 13,815 citations | 63 h-index | 113 g-index |
| 227 ext. papers | 15,594 ext. citations | 6.9 avg, IF | 6.62 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 207 | Controversies Around the Measurement of Blood Ketones to Diagnose and Manage Diabetic Ketoacidosis.. *Diabetes Care*, **2022**, 45, 267-272 | 14.6 | 0 |
| 206 | Calmodulin activates the Hippo signaling pathway by promoting LATS1 kinase-mediated inhibitory phosphorylation of the transcriptional coactivator YAP.. *Journal of Biological Chemistry*, **2022**, 101839 | 5.4 | 0 |
| 205 | Combining HbA1c and glycated albumin improves detection of dysglycaemia in mixed-ancestry South Africans. *EClinicalMedicine*, **2022**, 101443 | 11.3 | |
| 204 | Adaptor Proteins **2021**, 24-29 | | |
| 203 | Call for Action: Journals Need to Insist on Full Reporting of the Analytical Characteristics of Biomarkers. *Laboratory Medicine*, **2021**, 52, 7-9 | 1.6 | |
| 202 | Active Rap1-mediated inhibition of choroidal neovascularization requires interactions with IQGAP1 in choroidal endothelial cells. *FASEB Journal*, **2021**, 35, e21642 | 0.9 | 1 |
| 201 | IQGAP1 binds AMPK and is required for maximum AMPK activation. *Journal of Biological Chemistry*, **2021**, 296, 100075 | 5.4 | 0 |
| 200 | Spatiotemporal restriction of endothelial cell calcium signaling is required during leukocyte transmigration. *Journal of Experimental Medicine*, **2021**, 218, | 16.6 | 4 |
| 199 | Calmodulin influences MAPK signaling by binding KSR1. *Journal of Biological Chemistry*, **2021**, 296, 100577 | 5.4 | 2 |
| 198 | IQGAP1 Is a Scaffold of the Core Proteins of the Hippo Pathway and Negatively Regulates the Pro-Apoptotic Signal Mediated by This Pathway. *Cells*, **2021**, 10, | 7.9 | 2 |
| 197 | B-Raf autoinhibition in the presence and absence of 14-3-3. *Structure*, **2021**, 29, 768-777.e2 | 5.2 | 7 |
| 196 | Commentary on a Case of Unexpected Hyperglycemia. *Clinical Chemistry*, **2021**, 67, 1059-1060 | 5.5 | |
| 195 | Pannexin 1 binds □catenin to modulate melanoma cell growth and metabolism. *Journal of Biological Chemistry*, **2021**, 296, 100478 | 5.4 | 4 |
| 194 | Ubiquitination of the scaffold protein IQGAP1 diminishes its interaction with and activation of the Rho GTPase CDC42. *Journal of Biological Chemistry*, **2020**, 295, 4822-4835 | 5.4 | 4 |
| 193 | Insulin suppresses transcriptional activity of yes-associated protein in insulin target cells. *Molecular Biology of the Cell*, **2020**, 31, 131-141 | 3.5 | 1 |
| 192 | Continuous Glucose Monitors and Automated Insulin Dosing Systems in the Hospital Consensus Guideline. *Journal of Diabetes Science and Technology*, **2020**, 14, 1035-1064 | 4.1 | 26 |
| 191 | Tyrosine phosphorylation of the scaffold protein IQGAP1 in the MET pathway alters function. *Journal of Biological Chemistry*, **2020**, 295, 18105-18121 | 5.4 | 2 |

| | | | |
|---|---|---|---|
| 190 | Evaluation of Three Commercial Automated Assays for the Detection of Anti-SARS-CoV-2 Antibodies. *Clinical Chemistry*, **2020**, 66, 1351-1353 | 5.5 | 7 |
| 189 | IQGAP1 causes choroidal neovascularization by sustaining VEGFR2-mediated Rac1 activation. *Angiogenesis*, **2020**, 23, 685-698 | 10.6 | 20 |
| 188 | Improved Detection of Abnormal Glucose Tolerance in Africans: The Value of Combining Hemoglobin A With Glycated Albumin. *Diabetes Care*, **2020**, 43, 2607-2613 | 14.6 | 4 |
| 187 | Point-of-Care Hemoglobin A1c. *JAMA - Journal of the American Medical Association*, **2019**, 322, 1404-1405 | 27.4 | 4 |
| 186 | Endothelial IQGAP1 regulates leukocyte transmigration by directing the LBRC to the site of diapedesis. *Journal of Experimental Medicine*, **2019**, 216, 2582-2601 | 16.6 | 8 |
| 185 | Endogenous IQGAP1 and IQGAP3 do not functionally interact with Ras. *Scientific Reports*, **2019**, 9, 11057 | 4.9 | 8 |
| 184 | Ca-Dependent Switch of Calmodulin Interaction Mode with Tandem IQ Motifs in the Scaffolding Protein IQGAP1. *Biochemistry*, **2019**, 58, 4903-4911 | 3.2 | 8 |
| 183 | Inadequate Reporting of Analytical Characteristics of Biomarkers Used in Clinical Research: A Threat to Interpretation and Replication of Study Findings. *Clinical Chemistry*, **2019**, 65, 1554-1562 | 5.5 | 7 |
| 182 | Response to Comment on Bergenstal et al. Glucose Management Indicator (GMI): A New Term for Estimating A1C From Continuous Glucose Monitoring. Diabetes Care 2018;41:2275-2280. *Diabetes Care*, **2019**, 42, e29-e30 | 14.6 | 1 |
| 181 | The National Glycohemoglobin Standardization Program: Over 20 Years of Improving Hemoglobin A Measurement. *Clinical Chemistry*, **2019**, 65, 839-848 | 5.5 | 41 |
| 180 | Unraveling the molecular mechanism of interactions of the Rho GTPases Cdc42 and Rac1 with the scaffolding protein IQGAP2. *Journal of Biological Chemistry*, **2018**, 293, 3685-3699 | 5.4 | 24 |
| 179 | Establishment of Community-Based Reference Intervals for Fructosamine, Glycated Albumin, and 1,5-Anhydroglucitol. *Clinical Chemistry*, **2018**, 64, 843-850 | 5.5 | 42 |
| 178 | Gestational Diabetes Mellitus: Why the Controversy?. *Clinical Chemistry*, **2018**, 64, 431-438 | 5.5 | 11 |
| 177 | Calmodulin (CaM) Activates PI3K□by Targeting the "Soft" CaM-Binding Motifs in Both the nSH2 and cSH2 Domains of p85□*Journal of Physical Chemistry B*, **2018**, 122, 11137-11146 | 3.4 | 11 |
| 176 | Rapid Classification and Identification of Multiple Microorganisms with Accurate Statistical Significance via High-Resolution Tandem Mass Spectrometry. *Journal of the American Society for Mass Spectrometry*, **2018**, 29, 1721-1737 | 3.5 | 13 |
| 175 | EurA1c: The European HbA1c Trial to Investigate the Performance of HbA1c Assays in 2166 Laboratories across 17 Countries and 24 Manufacturers by Use of the IFCC Model for Quality Targets. *Clinical Chemistry*, **2018**, 64, 1183-1192 | 5.5 | 32 |
| 174 | IQGAP Proteins Do Not Regulate Mitogen-Activated Protein Kinase (MAPK) Signaling through Direct Interaction with Ras. *FASEB Journal*, **2018**, 32, 533.5 | 0.9 | |
| 173 | Glucose Management Indicator (GMI): A New Term for Estimating A1C From Continuous Glucose Monitoring. *Diabetes Care*, **2018**, 41, 2275-2280 | 14.6 | 215 |

| | | | |
|---|---|---|---|
| 172 | IQGAP1 binds the Axl receptor kinase and inhibits its signaling. *Biochemical Journal*, **2018**, 475, 3073-3086 | 3.8 | 4 |
| 171 | Absence of IQGAP1 Protein Leads to Insulin Resistance. *Journal of Biological Chemistry*, **2017**, 292, 3273-3289 | 3.4 | 12 |
| 170 | Association of Sickle Cell Trait With Hemoglobin A1c in African Americans. *JAMA - Journal of the American Medical Association*, **2017**, 317, 507-515 | 27.4 | 81 |
| 169 | Calmodulin Lobes Facilitate Dimerization and Activation of Estrogen Receptor-□*Journal of Biological Chemistry*, **2017**, 292, 4614-4622 | 5.4 | 12 |
| 168 | Cross-sectional Analysis of AGE-CML, sRAGE, and esRAGE with Diabetes and Cardiometabolic Risk Factors in a Community-Based Cohort. *Clinical Chemistry*, **2017**, 63, 980-989 | 5.5 | 25 |
| 167 | Refining Measurement of Hemoglobin A. *Clinical Chemistry*, **2017**, 63, 1433-1435 | 5.5 | 1 |
| 166 | Variability in the Relationship of Hemoglobin A1c and Average Glucose Concentrations: How Much Does Race Matter?. *Annals of Internal Medicine*, **2017**, 167, 131-132 | 8 | 13 |
| 165 | Pharmacomechanical Catheter-Directed Thrombolysis for Deep-Vein Thrombosis. *New England Journal of Medicine*, **2017**, 377, 2240-2252 | 59.2 | 363 |
| 164 | The Structural Basis for Cdc42-Induced Dimerization of IQGAPs. *Structure*, **2016**, 24, 1499-508 | 5.2 | 24 |
| 163 | Agonist-stimulated phosphatidylinositol-3,4,5-trisphosphate generation by scaffolded phosphoinositide kinases. *Nature Cell Biology*, **2016**, 18, 1324-1335 | 23.4 | 66 |
| 162 | IQGAP1 Binds to Yes-associated Protein (YAP) and Modulates Its Transcriptional Activity. *Journal of Biological Chemistry*, **2016**, 291, 19261-73 | 5.4 | 23 |
| 161 | Role of Glycated Proteins in the Diagnosis and Management of Diabetes: Research Gaps and Future Directions. *Diabetes Care*, **2016**, 39, 1299-306 | 14.6 | 94 |
| 160 | Role of IQGAP1 in endothelial barrier enhancement caused by OxPAPC. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2016**, 311, L800-L809 | 5.8 | 10 |
| 159 | Iron dose-dependent differentiation and enucleation of human erythroblasts in serum-free medium. *Journal of Tissue Engineering and Regenerative Medicine*, **2016**, 10, E84-9 | 4.4 | 10 |
| 158 | Identification of Microorganisms by High Resolution Tandem Mass Spectrometry with Accurate Statistical Significance. *Journal of the American Society for Mass Spectrometry*, **2016**, 27, 194-210 | 3.5 | 12 |
| 157 | A1C Combined With Glycated Albumin Improves Detection of Prediabetes in Africans: The Africans in America Study. *Diabetes Care*, **2016**, 39, 271-7 | 14.6 | 32 |
| 156 | Increased Pleiotrophin Concentrations in Papillary Thyroid Cancer. *PLoS ONE*, **2016**, 11, e0149383 | 3.7 | 8 |
| 155 | Hemoglobin A1c and Race: Should Therapeutic Targets and Diagnostic Cutoffs Differ among Racial Groups?. *Clinical Chemistry*, **2016**, 62, 1199-201 | 5.5 | 5 |

| | | | |
|---|---|---|---|
| 154 | Deletion of IQGAP1 promotes Helicobacter pylori-induced gastric dysplasia in mice and acquisition of cancer stem cell properties in vitro. *Oncotarget*, **2016**, 7, 80688-80699 | 3.3 | 16 |
| 153 | Glycated Albumin Identifies Prediabetes Not Detected by Hemoglobin A1c: The Africans in America Study. *Clinical Chemistry*, **2016**, 62, 1524-1532 | 5.5 | 24 |
| 152 | Higher degree of glycation of hemoglobin S compared to hemoglobin A measured by mass spectrometry: Potential impact on HbA1c testing. *Clinica Chimica Acta*, **2016**, 458, 40-3 | 6.2 | 10 |
| 151 | Development of the Diabetes Technology Society Blood Glucose Monitor System Surveillance Protocol. *Journal of Diabetes Science and Technology*, **2016**, 10, 697-707 | 4.1 | 19 |
| 150 | IQGAP1 controls tight junction formation through differential regulation of claudin recruitment. *Journal of Cell Science*, **2015**, 128, 853-62 | 5.3 | 15 |
| 149 | Evaluation of hemoglobin A1c measurement by Capillarys 2 electrophoresis for detection of abnormal glucose tolerance in African immigrants to the United States. *Clinica Chimica Acta*, **2015**, 446, 54-60 | 6.2 | 5 |
| 148 | Investigation of 2 models to set and evaluate quality targets for hb a1c: biological variation and sigma-metrics. *Clinical Chemistry*, **2015**, 61, 752-9 | 5.5 | 52 |
| 147 | The biology of IQGAP proteins: beyond the cytoskeleton. *EMBO Reports*, **2015**, 16, 427-46 | 6.5 | 124 |
| 146 | Interference of cerebrospinal fluid total protein measurement by povidone-iodine contamination. *Clinica Chimica Acta*, **2015**, 440, 3-5 | 6.2 | 1 |
| 145 | Midkine concentrations in fine-needle aspiration of benign and malignant thyroid nodules. *Clinical Endocrinology*, **2015**, 83, 977-84 | 3.4 | 9 |
| 144 | Shigella Effector OspB Activates mTORC1 in a Manner That Depends on IQGAP1 and Promotes Cell Proliferation. *PLoS Pathogens*, **2015**, 11, e1005200 | 7.6 | 23 |
| 143 | Hepatocyte growth factor-induced Asef-IQGAP1 complex controls cytoskeletal remodeling and endothelial barrier. *Journal of Biological Chemistry*, **2015**, 290, 4097-109 | 5.4 | 31 |
| 142 | Multicentre evaluation of the Premier Hb9210 HbA1c analyser. *Clinical Chemistry and Laboratory Medicine*, **2015**, 53, 319-27 | 5.9 | 12 |
| 141 | Plasmonic chip tackles type 1 diabetes diagnosis. *Clinical Chemistry*, **2015**, 61, 794-6 | 5.5 | 2 |
| 140 | IQGAPs choreograph cellular signaling from the membrane to the nucleus. *Trends in Cell Biology*, **2015**, 25, 171-84 | 18.3 | 89 |
| 139 | Detection of abnormal glucose tolerance in Africans is improved by combining A1C with fasting glucose: the Africans in America Study. *Diabetes Care*, **2015**, 38, 213-9 | 14.6 | 37 |
| 138 | Islet autoantibodies and type 1 diabetes: does the evidence support screening?. *Clinical Chemistry*, **2014**, 60, 438-40 | 5.5 | 6 |
| 137 | IQGAP1 binds to estrogen receptor-and modulates its function. *Journal of Biological Chemistry*, **2014**, 289, 9100-12 | 5.4 | 28 |

| | | | |
|---|---|---|---|
| 136 | Diagnosis of gestational diabetes mellitus: it is time for international consensus. *Clinical Chemistry*, **2014**, 60, 141-3 | 5.5 | 32 |
| 135 | Trends in prevalence and control of diabetes in the United States, 1988-1994 and 1999-2010. *Annals of Internal Medicine*, **2014**, 160, 517-25 | 8 | 376 |
| 134 | IQGAP1 regulates endothelial barrier function via EB1-cortactin cross talk. *Molecular and Cellular Biology*, **2014**, 34, 3546-58 | 4.8 | 31 |
| 133 | The surveillance error grid. *Journal of Diabetes Science and Technology*, **2014**, 8, 658-72 | 4.1 | 95 |
| 132 | Interpretation of hemoglobin A1c values. *JAMA - Journal of the American Medical Association*, **2014**, 311, 2271-2 | 27.4 | 35 |
| 131 | Commentary. *Clinical Chemistry*, **2014**, 60, 1271-2 | 5.5 | 1 |
| 130 | Comparing analytic performance criteria: evaluation of HbA1c certification criteria as an example. *Clinica Chimica Acta*, **2014**, 433, 259-63 | 6.2 | 13 |
| 129 | A PAK6-IQGAP1 complex promotes disassembly of cell-cell adhesions. *Cellular and Molecular Life Sciences*, **2014**, 71, 2759-73 | 10.3 | 25 |
| 128 | IQGAP1 is a novel phosphatidylinositol 4,5 bisphosphate effector in regulation of directional cell migration. *EMBO Journal*, **2013**, 32, 2617-30 | 13 | 41 |
| 127 | Wnt5a directs polarized calcium gradients by recruiting cortical endoplasmic reticulum to the cell trailing edge. *Developmental Cell*, **2013**, 26, 645-57 | 10.2 | 44 |
| 126 | Hemoglobin A1c in diabetes: panacea or pointless?. *Diabetes*, **2013**, 62, 41-3 | 0.9 | 30 |
| 125 | The Ras GTPase-activating-like protein IQGAP1 mediates Nrf2 protein activation via the mitogen-activated protein kinase/extracellular signal-regulated kinase (ERK) kinase (MEK)-ERK pathway. *Journal of Biological Chemistry*, **2013**, 288, 22378-86 | 5.4 | 29 |
| 124 | Identification and functional studies of a new Nrf2 partner IQGAP1: a critical role in the stability and transactivation of Nrf2. *Antioxidants and Redox Signaling*, **2013**, 19, 89-101 | 8.4 | 26 |
| 123 | It's time for a better blood collection tube to improve the reliability of glucose results. *Diabetes Care*, **2013**, 36, e2 | 14.6 | 21 |
| 122 | Arrestin2 regulates lysophosphatidic acid-induced human breast tumor cell migration and invasion via Rap1 and IQGAP1. *PLoS ONE*, **2013**, 8, e56174 | 3.7 | 40 |
| 121 | IQGAP1 mediates the disruption of adherens junctions to promote Escherichia coli K1 invasion of brain endothelial cells. *Cellular Microbiology*, **2012**, 14, 1415-33 | 3.9 | 31 |
| 120 | The calcium-sensing receptor regulates the NLRP3 inflammasome through Ca2+ and cAMP. *Nature*, **2012**, 492, 123-7 | 50.4 | 584 |
| 119 | Measuring and reporting hemoglobin A1c. *Clinical Biochemistry*, **2012**, 45, 1046-7 | 3.5 | 2 |

| | | | |
|---|---|---|---|
| 118 | IQGAP1 and its binding proteins control diverse biological functions. *Cellular Signalling*, **2012**, 24, 826-34 | 4.9 | 162 |
| 117 | Measurement of hemoglobin A(1c): a new twist on the path to harmony. *Diabetes Care*, **2012**, 35, 2674-80 | 14.6 | 83 |
| 116 | Structural basis for Ca2+-induced activation and dimerization of estrogen receptor β by calmodulin. *Journal of Biological Chemistry*, **2012**, 287, 9336-44 | 5.4 | 33 |
| 115 | HbA(1c): what do the numbers really mean?. *Lancet, The*, **2011**, 378, 1068-9; author reply 1069-70 | 40 | 2 |
| 114 | Salmonella enterica serotype Typhimurium usurps the scaffold protein IQGAP1 to manipulate Rac1 and MAPK signalling. *Biochemical Journal*, **2011**, 440, 309-18 | 3.8 | 17 |
| 113 | IQGAP1 in microbial pathogenesis: Targeting the actin cytoskeleton. *FEBS Letters*, **2011**, 585, 723-9 | 3.8 | 32 |
| 112 | Calmodulin binds HER2 and modulates HER2 signaling. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2011**, 1813, 1074-82 | 4.9 | 10 |
| 111 | Status of hemoglobin A1c measurement and goals for improvement: from chaos to order for improving diabetes care. *Clinical Chemistry*, **2011**, 57, 205-14 | 5.5 | 212 |
| 110 | Guidelines and recommendations for laboratory analysis in the diagnosis and management of diabetes mellitus. *Clinical Chemistry*, **2011**, 57, e1-e47 | 5.5 | 293 |
| 109 | Executive summary: guidelines and recommendations for laboratory analysis in the diagnosis and management of diabetes mellitus. *Clinical Chemistry*, **2011**, 57, 793-8 | 5.5 | 82 |
| 108 | A1C versus glucose testing: a comparison. *Diabetes Care*, **2011**, 34, 518-23 | 14.6 | 284 |
| 107 | Diabetes: advances and controversies. *Clinical Chemistry*, **2011**, 57, 147-9 | 5.5 | 5 |
| 106 | IQGAP1 protein binds human epidermal growth factor receptor 2 (HER2) and modulates trastuzumab resistance. *Journal of Biological Chemistry*, **2011**, 286, 29734-47 | 5.4 | 29 |
| 105 | AKAP220 protein organizes signaling elements that impact cell migration. *Journal of Biological Chemistry*, **2011**, 286, 39269-81 | 5.4 | 30 |
| 104 | MAPK scaffold IQGAP1 binds the EGF receptor and modulates its activation. *Journal of Biological Chemistry*, **2011**, 286, 15010-21 | 5.4 | 66 |
| 103 | Dephosphorylation of the nuclear factor of activated T cells (NFAT) transcription factor is regulated by an RNA-protein scaffold complex. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 11381-6 | 11.5 | 203 |
| 102 | Guidelines and recommendations for laboratory analysis in the diagnosis and management of diabetes mellitus. *Diabetes Care*, **2011**, 34, e61-99 | 14.6 | 316 |
| 101 | Position statement executive summary: guidelines and recommendations for laboratory analysis in the diagnosis and management of diabetes mellitus. *Diabetes Care*, **2011**, 34, 1419-23 | 14.6 | 101 |

| | | | |
|---|---|---|---|
| 100 | Executive Summary: Guidelines and Recommendations for Laboratory Analysis in the Diagnosis and Management of Diabetes Mellitus. *Laboratory Medicine Online*, **2011**, 1, 173 | 0.2 | |
| 99 | Point: The reporting of estimated glucose with hemoglobin A1c. *Clinical Chemistry*, **2010**, 56, 545-6 | 5.5 | 7 |
| 98 | IQGAP1 and IQGAP2 are reciprocally altered in hepatocellular carcinoma. *BMC Gastroenterology*, **2010**, 10, 125 | 3 | 47 |
| 97 | Tight glucose control in critically ill patients: should glucose meters be used?. *Clinical Chemistry*, **2009**, 55, 1580-3 | 5.5 | 12 |
| 96 | The diagnosis of diabetes is changing: how implementation of hemoglobin A1c will impact clinical laboratories. *Clinical Chemistry*, **2009**, 55, 1612-4 | 5.5 | 18 |
| 95 | Dkk-1 inhibits intestinal epithelial cell migration by attenuating directional polarization of leading edge cells. *Molecular Biology of the Cell*, **2009**, 20, 4816-25 | 3.5 | 31 |
| 94 | The Salmonella SPI2 effector SseI mediates long-term systemic infection by modulating host cell migration. *PLoS Pathogens*, **2009**, 5, e1000671 | 7.6 | 97 |
| 93 | Tight glucose control in the intensive care unit: are glucose meters up to the task?. *Clinical Chemistry*, **2009**, 55, 18-20 | 5.5 | 120 |
| 92 | IQGAPs in cancer: a family of scaffold proteins underlying tumorigenesis. *FEBS Letters*, **2009**, 583, 1817-24 | 3.8 | 227 |
| 91 | Protein scaffolds in MAP kinase signalling. *Cellular Signalling*, **2009**, 21, 462-9 | 4.9 | 194 |
| 90 | HbA1c: how do we measure it and what does it mean?. *Current Opinion in Endocrinology, Diabetes and Obesity*, **2009**, 16, 113-8 | 4 | 80 |
| 89 | IQGAP1 integrates Ca2+/calmodulin and B-Raf signaling. *Journal of Biological Chemistry*, **2008**, 283, 22972-82 | 5.4 | 37 |
| 88 | Rap1 activation in collagen phagocytosis is dependent on nonmuscle myosin II-A. *Molecular Biology of the Cell*, **2008**, 19, 5032-46 | 3.5 | 25 |
| 87 | Tight glucose control in critically ill adults. *JAMA - Journal of the American Medical Association*, **2008**, 300, 2725-6; author reply 2726-7 | 27.4 | 2 |
| 86 | The IQGAP1-Rac1 and IQGAP1-Cdc42 interactions: interfaces differ between the complexes. *Journal of Biological Chemistry*, **2008**, 283, 1692-1704 | 5.4 | 47 |
| 85 | IQGAP1 stimulates proliferation and enhances tumorigenesis of human breast epithelial cells. *Journal of Biological Chemistry*, **2008**, 283, 1008-17 | 5.4 | 111 |
| 84 | The IFCC Reference Measurement System for HbA1c: a 6-year progress report. *Clinical Chemistry*, **2008**, 54, 240-8 | 5.5 | 146 |
| 83 | Actin pedestal formation by enteropathogenic Escherichia coli is regulated by IQGAP1, calcium, and calmodulin. *Journal of Biological Chemistry*, **2008**, 283, 35212-22 | 5.4 | 36 |

| | | | |
|---|---|---|---|
| 82 | Translating hemoglobin A1c into average blood glucose: implications for clinical chemistry. *Clinical Chemistry*, **2008**, 54, 1756-8 | 5.5 | 10 |
| 81 | A new look at screening and diagnosing diabetes mellitus. *Journal of Clinical Endocrinology and Metabolism*, **2008**, 93, 2447-53 | 5.6 | 305 |
| 80 | IQGAP1-dependent signaling pathway regulates endothelial cell proliferation and angiogenesis. *PLoS ONE*, **2008**, 3, e3848 | 3.7 | 74 |
| 79 | IQGAP1 regulates actin pedestal formation by enteropathogenic E. coli. *FASEB Journal*, **2008**, 22, 1030.1 | 0.9 | |
| 78 | Targeting of calcium:calmodulin signals to the cytoskeleton by IQGAP1. *Cell Calcium*, **2007**, 41, 593-605 | 4 | 14 |
| 77 | Functional interactions between calmodulin and estrogen receptor-alpha. *Cellular Signalling*, **2007**, 19, 439-43 | 4.9 | 23 |
| 76 | Multiple proteins mediate IQGAP1-stimulated cell migration. *Cellular Signalling*, **2007**, 19, 1857-65 | 4.9 | 31 |
| 75 | IQGAP1 regulates Salmonella invasion through interactions with actin, Rac1, and Cdc42. *Journal of Biological Chemistry*, **2007**, 282, 30265-72 | 5.4 | 42 |
| 74 | IQGAP1 binds Rap1 and modulates its activity. *Journal of Biological Chemistry*, **2007**, 282, 20752-62 | 5.4 | 50 |
| 73 | Global standardization of glycated hemoglobin measurement: the position of the IFCC Working Group. *Clinical Chemistry and Laboratory Medicine*, **2007**, 45, 1077-80 | 5.9 | 80 |
| 72 | IQGAP1 modulates activation of B-Raf. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 10465-9 | 11.5 | 124 |
| 71 | Point of Care Testing in the Diagnosis and Management of Diabetes. *Point of Care*, **2007**, 6, 237-242 | 0.4 | |
| 70 | Executive summary. The National Academy of Clinical Biochemistry Laboratory Medicine Practice Guideline: evidence-based practice for point-of-care testing. *Clinica Chimica Acta*, **2007**, 379, 14-28; discussion 29-30 | 6.2 | 111 |
| 69 | IQGAP1 in cellular signaling: bridging the GAP. *Trends in Cell Biology*, **2006**, 16, 242-9 | 18.3 | 228 |
| 68 | Identification of a conserved negative regulatory sequence that influences the leukemogenic activity of NOTCH1. *Molecular and Cellular Biology*, **2006**, 26, 6261-71 | 4.8 | 76 |
| 67 | E6AP and calmodulin reciprocally regulate estrogen receptor stability. *Journal of Biological Chemistry*, **2006**, 281, 1978-85 | 5.4 | 69 |
| 66 | The receptor protein-tyrosine phosphatase PTPmu interacts with IQGAP1. *Journal of Biological Chemistry*, **2006**, 281, 4903-10 | 5.4 | 24 |
| 65 | Proteomic analysis of ischemia-reperfusion injury upon human liver transplantation reveals the protective role of IQGAP1. *Molecular and Cellular Proteomics*, **2006**, 5, 1300-13 | 7.6 | 32 |

| | | | |
|---|---|---|---|
| 64 | Measurement of circulating glucose concentrations: the time is now for consistency among methods and types of samples. *Clinical Chemistry*, **2005**, 51, 1569-70 | 5.5 | 16 |
| 63 | IQGAP1 promotes neurite outgrowth in a phosphorylation-dependent manner. *Journal of Biological Chemistry*, **2005**, 280, 13871-8 | 5.4 | 67 |
| 62 | Self-association of IQGAP1: characterization and functional sequelae. *Journal of Biological Chemistry*, **2005**, 280, 34548-57 | 5.4 | 54 |
| 61 | IQGAP1 is a scaffold for mitogen-activated protein kinase signaling. *Molecular and Cellular Biology*, **2005**, 25, 7940-52 | 4.8 | 179 |
| 60 | The transcriptional activity of estrogen receptor-alpha is dependent on Ca2+/calmodulin. *Journal of Biological Chemistry*, **2005**, 280, 13097-104 | 5.4 | 38 |
| 59 | Calmodulin phosphorylation and modulation of endothelial nitric oxide synthase catalysis. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 1165-70 | 11.5 | 39 |
| 58 | IQGAP1 binds ERK2 and modulates its activity. *Journal of Biological Chemistry*, **2004**, 279, 17329-37 | 5.4 | 166 |
| 57 | Physical and functional interaction of androgen receptor with calmodulin in prostate cancer cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 464-9 | 11.5 | 41 |
| 56 | Tests of glycemia in diabetes. *Diabetes Care*, **2004**, 27, 1761-73 | 14.6 | 432 |
| 55 | IQGAP1 promotes cell motility and invasion. *Journal of Biological Chemistry*, **2003**, 278, 41237-45 | 5.4 | 161 |
| 54 | Calmodulin regulates the transcriptional activity of estrogen receptors. Selective inhibition of calmodulin function in subcellular compartments. *Journal of Biological Chemistry*, **2003**, 278, 1195-200 | 5.4 | 24 |
| 53 | IQGAP proteins are integral components of cytoskeletal regulation. *EMBO Reports*, **2003**, 4, 571-4 | 6.5 | 241 |
| 52 | IQGAP1 as signal integrator: Ca2+, calmodulin, Cdc42 and the cytoskeleton. *FEBS Letters*, **2003**, 542, 7-11 | 3.8 | 112 |
| 51 | Transcriptional activity and DNA binding of heat shock factor-1 involve phosphorylation on threonine 142 by CK2. *Biochemical and Biophysical Research Communications*, **2003**, 303, 700-6 | 3.4 | 67 |
| 50 | Identification and characterization of the Cdc42-binding site of IQGAP1. *Biochemical and Biophysical Research Communications*, **2003**, 305, 315-21 | 3.4 | 41 |
| 49 | Elucidation of the interaction of calmodulin with the IQ motifs of IQGAP1. *Journal of Biological Chemistry*, **2003**, 278, 4347-52 | 5.4 | 74 |
| 48 | IQGAP1 is a component of Cdc42 signaling to the cytoskeleton. *Journal of Biological Chemistry*, **2002**, 277, 24753-63 | 5.4 | 120 |
| 47 | IQGAP1-mediated stimulation of transcriptional co-activation by beta-catenin is modulated by calmodulin. *Journal of Biological Chemistry*, **2002**, 277, 7453-65 | 5.4 | 92 |

| | | | |
|---|---|---|---|
| 46 | Screening for diabetes: is it warranted?. *Clinica Chimica Acta*, **2002**, 315, 61-9 | 6.2 | 23 |
| 45 | Guidelines and Recommendations for Laboratory Analysis in the Diagnosis and Management of Diabetes Mellitus. *Clinical Chemistry*, **2002**, 48, 436-472 | 5.5 | 659 |
| 44 | Guidelines and recommendations for laboratory analysis in the diagnosis and management of diabetes mellitus. *Clinical Chemistry*, **2002**, 48, 436-72 | 5.5 | 187 |
| 43 | Calmodulin enhances the stability of the estrogen receptor. *Journal of Biological Chemistry*, **2001**, 276, 17354-60 | 5.4 | 48 |
| 42 | Clinical Diagnosis and Management by Laboratory Methods, 20th ed. John Bernard Henry, ed. Philadelphia: WB Saunders, 2001, 1512 pp., $99.00. ISBN 0-7216-8864-0.. *Clinical Chemistry*, **2001**, 47, 2188-2189 | 5.5 | 0 |
| 41 | Effects of Hemoglobin Variants and Chemically Modified Derivatives on Assays for Glycohemoglobin. *Clinical Chemistry*, **2001**, 47, 153-163 | 5.5 | 404 |
| 40 | The effect of IQGAP1 on Xenopus embryonic ectoderm requires Cdc42. *Journal of Biological Chemistry*, **2001**, 276, 48425-30 | 5.4 | 36 |
| 39 | Both calmodulin and the unconventional myosin Myr4 regulate membrane trafficking along the recycling pathway of MDCK cells. *Traffic*, **2000**, 1, 494-503 | 5.7 | 66 |
| 38 | Thrombin-induced phosphorylation of MARCKS does not alter its interactions with calmodulin or actin. *Cellular Signalling*, **2000**, 12, 71-9 | 4.9 | 17 |
| 37 | E-cadherin-mediated cell-cell attachment activates Cdc42. *Journal of Biological Chemistry*, **2000**, 275, 36999-7005 | 5.4 | 176 |
| 36 | Calmodulin antagonists inhibit insulin-stimulated GLUT4 (glucose transporter 4) translocation by preventing the formation of phosphatidylinositol 3,4,5-trisphosphate in 3T3L1 adipocytes. *Molecular Endocrinology*, **2000**, 14, 317-26 | | 51 |
| 35 | Binding of IRS proteins to calmodulin is enhanced in insulin resistance. *Biochemistry*, **2000**, 39, 5089-96 | 3.2 | 21 |
| 34 | The Interaction of Calmodulin with Novel Target Proteins **2000**, 541-563 | | 3 |
| 33 | Calmodulin binds to p21(Cip1) and is involved in the regulation of its nuclear localization. *Journal of Biological Chemistry*, **1999**, 274, 24445-8 | 5.4 | 45 |
| 32 | IQGAP1 integrates Ca2+/calmodulin and Cdc42 signaling. *Journal of Biological Chemistry*, **1999**, 274, 464-70 | 5.4 | 172 |
| 31 | Acute coronary ischemia: troponin I and T. *Vascular Medicine*, **1999**, 4, 253-6 | 3.3 | 8 |
| 30 | IQGAP1 and calmodulin modulate E-cadherin function. *Journal of Biological Chemistry*, **1999**, 274, 37885-92 | 5.4 | 121 |
| 29 | Time to positivity of a rapid bedside assay for cardiac-specific troponin T predicts prognosis in acute coronary syndromes: a Thrombolysis in Myocardial Infarction (TIMI) 11A substudy. *Journal of the American College of Cardiology*, **1998**, 31, 326-30 | 15.1 | 53 |

| | | | |
|---|---|---|---|
| 28 | Reciprocal regulation of endothelial nitric-oxide synthase by Ca2+-calmodulin and caveolin. *Journal of Biological Chemistry*, **1997**, 272, 15583-6 | 5.4 | 458 |
| 27 | The structural effects of endogenous and exogenous Ca2+/calmodulin on phosphorylase kinase. *Journal of Biological Chemistry*, **1997**, 272, 26202-9 | 5.4 | 19 |
| 26 | Differential affinity cross-linking of phosphorylase kinase conformers by the geometric isomers of phenylenedimaleimide. *Journal of Biological Chemistry*, **1997**, 272, 26196-201 | 5.4 | 22 |
| 25 | Calmodulin activates phosphatidylinositol 3-kinase. *Journal of Biological Chemistry*, **1997**, 272, 28183-6 | 5.4 | 137 |
| 24 | Detection of unsuspected myocardial necrosis by rapid bedside assay for cardiac troponin T. *American Heart Journal*, **1997**, 133, 596-8 | 4.9 | 66 |
| 23 | Prognostic value of cardiac troponin T after noncardiac surgery: 6-month follow-up data. *Journal of the American College of Cardiology*, **1997**, 29, 1241-5 | 15.1 | 164 |
| 22 | Implications of the Revised Criteria for Diagnosis and Classification of Diabetes Mellitus. *Clinical Chemistry*, **1997**, 43, 2230-2232 | 5.5 | 26 |
| 21 | Calmodulin modulates the interaction between IQGAP1 and Cdc42. Identification of IQGAP1 by nanoelectrospray tandem mass spectrometry. *Journal of Biological Chemistry*, **1997**, 272, 15419-25 | 5.4 | 119 |
| 20 | Predictive value of cardiac troponin T in pediatric patients at risk for myocardial injury. *Circulation*, **1997**, 96, 2641-8 | 16.7 | 274 |
| 19 | Identification of insulin-stimulated phosphorylation sites on calmodulin. *Biochemistry*, **1996**, 35, 6267-75 | 3.2 | 31 |
| 18 | Ca2+ regulates calmodulin binding to IQ motifs in IRS-1. *Biochemistry*, **1996**, 35, 15883-9 | 3.2 | 51 |
| 17 | The pathogenesis of type II diabetes mellitus. A polygenic disease. *American Journal of Clinical Pathology*, **1996**, 105, 149-56 | 1.9 | 70 |
| 16 | Troponin T as a marker for myocardial ischemia in patients undergoing major noncardiac surgery. *American Journal of Cardiology*, **1996**, 77, 1031-6 | 3 | 96 |
| 15 | Phosphorylation of calmodulin by plasma-membrane-associated protein kinase(s). *FEBS Journal*, **1995**, 234, 50-8 | | 10 |
| 14 | Alteration of calmodulin-protein interactions by a monoclonal antibody to calmodulin. *BBA - Proteins and Proteomics*, **1994**, 1206, 120-8 | | 5 |
| 13 | Phosphorylation of calmodulin by the epidermal-growth-factor-receptor tyrosine kinase. *FEBS Journal*, **1994**, 224, 909-16 | | 37 |
| 12 | The mechanism of insulin action. *Clinical Biochemistry*, **1993**, 26, 308-11 | 3.5 | 1 |
| 11 | Calmodulin-specific monoclonal antibodies inhibit DNA replication in mammalian cells. *Biochemistry* , **1992**, 31, 10426-30 | 3.2 | 41 |

| | | | |
|---|---|---|---|
| 10 | Casein kinase II-catalysed phosphorylation of calmodulin is altered by amino acid deletions in the central helix of calmodulin. *Biochemical and Biophysical Research Communications*, **1992**, 188, 754-9 | 3.4 | 7 |
| 9 | Effects of cationic polypeptides on the activity, substrate interaction, and autophosphorylation of casein kinase II: a study with calmodulin. *Archives of Biochemistry and Biophysics*, **1992**, 299, 275-80 | 4.1 | 17 |
| 8 | Monoclonal antibody to calmodulin: development, characterization, and comparison with polyclonal anti-calmodulin antibodies. *Analytical Biochemistry*, **1991**, 194, 369-77 | 3.1 | 83 |
| 7 | The carboxyl terminal segment of the c-Ki-ras 2 gene product mediates insulin-stimulated phosphorylation of calmodulin and stimulates insulin-independent autophosphorylation of the insulin receptor. *Biochemical and Biophysical Research Communications*, **1989**, 161, 399-405 | 3.4 | 12 |
| 6 | The enigma of insulin resistance and hypertension. *American Journal of Medicine*, **1988**, 84, 1096-7 | 2.4 | |
| 5 | Characteristics of calmodulin phosphorylation by the insulin receptor kinase. *Endocrinology*, **1988**, 123, 1830-6 | 4.8 | 21 |
| 4 | Calmodulin Antagonists Inhibit Insulin-Stimulated GLUT4 (Glucose Transporter 4) Translocation by Preventing the Formation of Phosphatidylinositol 3,4,5-Trisphosphate in 3T3L1 Adipocytes | | 15 |
| 3 | Recent Weight Loss and Polyuria in a 52-Year-Old Man199-203 | | |
| 2 | An Unconscious Diabetic Male205-209 | | |
| 1 | A Diabetic Woman’s Episode211-215 | | |