

# Bernhard B Singer

## List of Publications by Year in descending order

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63  
papers

2,602  
citations

186265  
28  
h-index

197818  
49  
g-index

66  
all docs

66  
docs citations

66  
times ranked

3497  
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Helicobacter pylori</i> adhesin HopQ engages in a virulence-enhancing interaction with human CEACAMs. <i>Nature Microbiology</i> , 2017, 2, 16189.	13.3	188
2	Functional capacities of human IgM memory B cells in early inflammatory responses and secondary germinal center reactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E546-55.	7.1	179
3	Precipitation with polyethylene glycol followed by washing and pelleting by ultracentrifugation enriches extracellular vesicles from tissue culture supernatants in small and large scales. <i>Journal of Extracellular Vesicles</i> , 2018, 7, 1528109.	12.2	164
4	Biliary glycoprotein (CD66a), a cell adhesion molecule of the immunoglobulin superfamily, on human lymphocytes: structure, expression and involvement in T cell activation. <i>European Journal of Immunology</i> , 1998, 28, 3664-3674.	2.9	128
5	CEACAM1 inhibits Toll-like receptor 2-triggered antibacterial responses of human pulmonary epithelial cells. <i>Nature Immunology</i> , 2008, 9, 1270-1278.	14.5	115
6	Carcinoembryonic Antigen-Related Cell Adhesion Molecule 1 Expression and Signaling in Human, Mouse, and Rat Leukocytes: Evidence for Replacement of the Short Cytoplasmic Domain Isoform by Glycosylphosphatidylinositol-Linked Proteins in Human Leukocytes. <i>Journal of Immunology</i> , 2002, 168, 5139-5146.	0.8	110
7	<i>Moraxella catarrhalis</i> is internalized in respiratory epithelial cells by a trigger-like mechanism and initiates a TLR2- and partly NOD1-dependent inflammatory immune response. <i>Cellular Microbiology</i> , 2007, 9, 694-707.	2.1	106
8	<i>Fusobacterium nucleatum</i> suppresses anti-tumor immunity by activating CEACAM1. <i>OncImmunology</i> , 2019, 8, e1581531.	4.6	87
9	Dectin-1 Is Expressed in Human Lung and Mediates the Proinflammatory Immune Response to Nontypeable <i>Haemophilus influenzae</i> . <i>MBio</i> , 2014, 5, e01492-14.	4.1	84
10	Deregulation of the CEACAM Expression Pattern Causes Undifferentiated Cell Growth in Human Lung Adenocarcinoma Cells. <i>PLoS ONE</i> , 2010, 5, e8747.	2.5	76
11	CEACAM1 (CD66a) mediates delay of spontaneous and Fas ligand-induced apoptosis in granulocytes. <i>European Journal of Immunology</i> , 2005, 35, 1949-1959.	2.9	73
12	<i>Helicobacter pylori</i> adhesin HopQ disrupts trans dimerization in human CEACAM s. <i>EMBO Journal</i> , 2018, 37, .	7.8	73
13	Transmembrane CEACAM1 affects integrin-dependent signaling and regulates extracellular matrix protein-specific morphology and migration of endothelial cells. <i>Blood</i> , 2005, 105, 3925-3934.	1.4	70
14	Poly (glycerol sebacate)-poly ( $\epsilon$ -caprolactone) blend nanofibrous scaffold as intrinsic bio- and immunocompatible system for corneal repair. <i>Acta Biomaterialia</i> , 2017, 50, 370-380.	8.3	68
15	Homophilic adhesion and CEACAM1-S regulate dimerization of CEACAM1-L and recruitment of SHP-2 and c-Src. <i>Journal of Cell Biology</i> , 2009, 187, 569-581.	5.2	65
16	CD30-mediated cell cycle arrest associated with induced expression of p21CIP1/WAF1 in the anaplastic large cell lymphoma cell line Karpas 299. <i>Oncogene</i> , 2001, 20, 590-598.	5.9	61
17	Carcinoembryonic antigen (CEA)-related cell adhesion molecules are co-expressed in the human lung and their expression can be modulated in bronchial epithelial cells by non-typable <i>Haemophilus influenzae</i> , <i>Moraxella catarrhalis</i> , TLR3, and type I and II interferons. <i>Respiratory Research</i> , 2013, 14, 85.	3.6	59
18	The CEACAM1 N-terminal Ig domain mediates cis- and trans-binding and is essential for allosteric rearrangements of CEACAM1 microclusters. <i>Journal of Cell Biology</i> , 2009, 187, 553-567.	5.2	57

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19	CEACAM1 is a potent regulator of B cell receptor complex-induced activation. <i>Journal of Leukocyte Biology</i> , 2003, 74, 126-134.	3.3	55
20	CEACAM1: A Novel Urinary Marker for Bladder Cancer Detection. <i>European Urology</i> , 2010, 57, 648-654.	1.9	43
21	CEACAM1 induces B-cell survival and is essential for protective antiviral antibody production. <i>Nature Communications</i> , 2015, 6, 6217.	12.8	42
22	CEACAM1 functionally interacts with filamin A and exerts a dual role in the regulation of cell migration. <i>Journal of Cell Science</i> , 2005, 118, 5513-5524.	2.0	41
23	CEACAM1 promotes CD8+ T cell responses and improves control of a chronic viral infection. <i>Nature Communications</i> , 2018, 9, 2561.	12.8	41
24	Soluble CEACAM8 Interacts with CEACAM1 Inhibiting TLR2-Triggered Immune Responses. <i>PLoS ONE</i> , 2014, 9, e94106.	2.5	39
25	<i>Fusobacterium</i> spp. target human CEACAM1 via the trimeric autotransporter adhesin CbpF. <i>Journal of Oral Microbiology</i> , 2019, 11, 1565043.	2.7	38
26	Size Matters: The Functional Role of the CEACAM1 Isoform Signature and Its Impact for NK Cell-Mediated Killing in Melanoma. <i>Cancers</i> , 2019, 11, 356.	3.7	37
27	The <i>Helicobacter pylori</i> HopQ outermembrane protein inhibits immune cell activities. <i>Oncotarget</i> , 2019, 8, e1553487.	4.6	37
28	Expression of CEACAM1 or CEACAM5 in AZ-521 cells restores the type IV secretion deficiency for translocation of CagA by <i>Helicobacter pylori</i> . <i>Cellular Microbiology</i> , 2019, 21, e12965.	2.1	31
29	Binding of <i>Candida albicans</i> to Human CEACAM1 and CEACAM6 Modulates the Inflammatory Response of Intestinal Epithelial Cells. <i>MBio</i> , 2017, 8, .	4.1	29
30	The UspA1 Protein of <i>Moraxella catarrhalis</i> Induces CEACAM1-Dependent Apoptosis in Alveolar Epithelial Cells. <i>Journal of Infectious Diseases</i> , 2007, 195, 1651-1660.	4.0	28
31	Anti-carcinoembryonic antigen-related cell adhesion molecule antibody for fluorescence visualization of primary colon cancer and metastases in patient-derived orthotopic xenograft mouse models. <i>Oncotarget</i> , 2020, 11, 429-439.	1.8	25
32	The deregulation of miR-17/CCND1 axis during neuroendocrine transdifferentiation of LNCaP prostate cancer cells. <i>PLoS ONE</i> , 2018, 13, e0200472.	2.5	24
33	Efficient and safe gene delivery to human corneal endothelium using magnetic nanoparticles. <i>Nanomedicine</i> , 2016, 11, 1787-1800.	3.3	23
34	Extracellular Chromatin Triggers Release of Soluble CEACAM8 Upon Activation of Neutrophils. <i>Frontiers in Immunology</i> , 2019, 10, 1346.	4.8	23
35	<i>Fusobacterium nucleatum</i> CbpF Mediates Inhibition of T Cell Function Through CEACAM1 Activation. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 692544.	3.9	23
36	MXene-Assisted Ablation of Cells with a Pulsed Near-Infrared Laser. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 28683-28696.	8.0	23

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37	CEACAM1-3S Drives Melanoma Cells into NK Cell-Mediated Cytolysis and Enhances Patient Survival. <i>Cancer Research</i> , 2015, 75, 1897-1907.	0.9	22
38	CEACAMs serve as toxin-stimulated receptors for enterotoxigenic <i>Escherichia coli</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 29055-29062.	7.1	21
39	<i>Acinetobacter baumannii</i> Targets Human Carcinoembryonic Antigen-Related Cell Adhesion Molecules (CEACAMs) for Invasion of Pneumocytes. <i>MSystems</i> , 2020, 5, .	3.8	20
40	Carcinoembryonic antigen-related cell adhesion molecule 1 controls IL2-dependent regulatory T cell induction in immune-mediated hepatitis in mice. <i>Hepatology</i> , 2018, 68, 200-214.	7.3	18
41	Bacterial protein domains with a novel Ig-like fold target human CEACAM receptors. <i>EMBO Journal</i> , 2021, 40, e106103.	7.8	16
42	Pregnancy-specific glycoprotein expression in normal gastrointestinal tract and in tumors detected with novel monoclonal antibodies. <i>MAbs</i> , 2016, 8, 491-500.	5.2	13
43	MITF is a critical regulator of the carcinoembryonic antigen-related cell adhesion molecule 1 (CEACAM1) in malignant melanoma. <i>Pigment Cell and Melanoma Research</i> , 2015, 28, 736-740.	3.3	12
44	<i>Moraxella catarrhalis</i> induces an immune response in the murine lung that is independent of human CEACAM5 expression and long-term smoke exposure. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015, 309, L250-L261.	2.9	12
45	Cysteine Residues in <i>Helicobacter pylori</i> Adhesin HopQ are Required for CEACAM-HopQ Interaction and Subsequent CagA Translocation. <i>Microorganisms</i> , 2020, 8, 465.	3.6	12
46	Type IV secretion of <i>Helicobacter pylori</i> CagA into oral epithelial cells is prevented by the absence of CEACAM receptor expression. <i>Gut Pathogens</i> , 2020, 12, 25.	3.4	11
47	CEACAM1-4L Promotes Anchorage-Independent Growth in Melanoma. <i>Frontiers in Oncology</i> , 2015, 5, 234.	2.8	8
48	CEACAM1 regulates CD8+ T cell immunity and protects from severe pathology during <i>Citrobacter rodentium</i> induced colitis. <i>Gut Microbes</i> , 2020, 11, 1790-1805.	9.8	8
49	A Novel Color-Coded Liver Metastasis Mouse Model to Distinguish Tumor and Adjacent Liver Segment. <i>Journal of Surgical Research</i> , 2021, 264, 327-333.	1.6	8
50	Soluble CEACAM1 and CEACAM6 are differently expressed in blood serum of pregnant women during normal pregnancy. <i>American Journal of Reproductive Immunology</i> , 2017, 78, e12700.	1.2	7
51	Fluorophore-conjugated <i>Helicobacter pylori</i> recombinant membrane protein (HopQ) labels primary colon cancer and metastases in orthotopic mouse models by binding CEA-related cell adhesion molecules. <i>Translational Oncology</i> , 2020, 13, 100857.	3.7	6
52	Unaltered Fungal Burden and Lethality in Human CEACAM1-Transgenic Mice During <i>Candida albicans</i> Dissemination and Systemic Infection. <i>Frontiers in Microbiology</i> , 2019, 10, 2703.	3.5	5
53	Engagement of CEACAM1 by <i>Helicobacter pylori</i> HopQ Is Important for the Activation of Non-Canonical NF- $\kappa$ B in Gastric Epithelial Cells. <i>Microorganisms</i> , 2021, 9, 1748.	3.6	5
54	Phosphoantigen-Stimulated $\gamma$ T Cells Suppress Natural Killer Cell Responses to Missing-Self. <i>Cancer Immunology Research</i> , 2022, 10, 558-570.	3.4	4

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55	A Patient-Derived Orthotopic Xenograft Model of Gastroesophageal-Junction Adenocarcinoma Translated to the Clinic by Tumor-Targeting Fluorescent Antibodies to Carcinoembryonic-Antigen-Related Cell-Adhesion Molecules. <i>In Vivo</i> , 2021, 35, 1959-1963.	1.3	3
56	Single nucleotide polymorphisms of the EpCAM-coding gene TACSTD1 in patients with ovarian cancer and their potential translational aspects. <i>Archives of Gynecology and Obstetrics</i> , 2015, 292, 1367-1372.	1.7	1
57	Evaluation of carcinoembryonic antigen-related cell adhesion molecule 1 blood serum levels in women at high risk for preeclampsia. <i>American Journal of Reproductive Immunology</i> , 2021, 85, e13375.	1.2	1
58	Antibody ligation of CEACAM1, CEACAM3, and CEACAM6, differentially enhance the cytokine release of human neutrophils in responses to <i>Candida albicans</i> . <i>Cellular Immunology</i> , 2022, 371, 104459.	3.0	1
59	Activation of CEACAM1 with an agonistic monoclonal antibody results in inhibition of melanoma cells. <i>Cancer Gene Therapy</i> , 0, , .	4.6	1
60	Björn J. Åbrink (1943–2015). <i>Experimental Cell Research</i> , 2016, 341, 75-76.	2.6	0
61	Influence of Ceacams Expression in Graft-Versus-Host Disease After Allogeneic Transplantation. <i>Blood</i> , 2012, 120, 4490-4490.	1.4	0
62	Single nucleotide polymorphisms of the EpCAM-coding gene <i>TACSTD1</i> in patients with ovarian cancer and their potential implications in clinical practice.. <i>Journal of Clinical Oncology</i> , 2014, 32, e16515-e16515.	1.6	0
63	Color-coded double labeling of colon-cancer liver metastasis and the adjacent liver segment with a tumor-specific fluorescent antibody and indocyanine green. , 2022, , .		0