

# Philippe Deterre

## List of Publications by Year in descending order

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44  
papers

2,990  
citations

236833

25  
h-index

276775

41  
g-index

46  
all docs

46  
docs citations

46  
times ranked

3294  
citing authors

#	ARTICLE	IF	CITATIONS
1	CX3CR1-dependent subretinal microglia cell accumulation is associated with cardinal features of age-related macular degeneration. <i>Journal of Clinical Investigation</i> , 2007, 117, 2920-2928.	3.9	498
2	Fluoroaluminates activate transducin-GDP by mimicking the $\hat{\gamma}$ -phosphate of GTP in its binding site. <i>FEBS Letters</i> , 1985, 191, 181-185.	1.3	414
3	Molecular mechanism of visual transduction. <i>FEBS Journal</i> , 1989, 179, 255-266.	0.2	306
4	Ecto-phosphodiesterase/pyrophosphatase of lymphocytes and non-lymphoid cells: structure and function of the PC-1 family. <i>Immunological Reviews</i> , 1998, 161, 11-26.	2.8	149
5	Interactions of a G-protein with its effector: transducin and cGMP phosphodiesterase in retinal rods. <i>Cellular Signalling</i> , 1993, 5, 235-251.	1.7	135
6	Human CD38 is an authentic NAD(P) <sup>+</sup> glycohydrolase. <i>Biochemical Journal</i> , 1998, 330, 1383-1390.	1.7	111
7	The apparent cooperativity of some GPCRs does not necessarily imply dimerization. <i>Trends in Pharmacological Sciences</i> , 2009, 30, 182-187.	4.0	103
8	Activation of retinal rod cyclic GMP-phosphodiesterase by transducin: Characterization of the complex formed by phosphodiesterase inhibitor and transducin $\hat{\gamma}$ -subunit. <i>Proteins: Structure, Function and Bioinformatics</i> , 1986, 1, 188-193.	1.5	100
9	Role of cyclic AMP in a serotonin-evoked slow inward current in snail neurones. <i>Nature</i> , 1981, 290, 783-785.	13.7	94
10	Enhanced Adhesive Capacities of the Naturally Occurring Ile249 $\hat{\epsilon}$ Met280 Variant of the Chemokine Receptor CX3CR1. <i>Journal of Biological Chemistry</i> , 2004, 279, 19649-19657.	1.6	80
11	Polymorphism in the Microglial Cell-Mobilizing <i>&lt;i&gt;CX3CR1&lt;/i&gt;</i> Gene Is Associated With Survival in Patients With Glioblastoma. <i>Journal of Clinical Oncology</i> , 2008, 26, 5957-5964.	0.8	71
12	Ly6Chigh Monocytes Protect against Kidney Damage during Sepsis via a CX3CR1-Dependent Adhesion Mechanism. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 792-803.	3.0	70
13	An engineered CX3CR1 antagonist endowed with anti-inflammatory activity. <i>Journal of Leukocyte Biology</i> , 2009, 86, 903-911.	1.5	67
14	Activation and solubilization of the retinal cGMP-specific phosphodiesterase by limited proteolysis. Role of the C-terminal domain of the beta-subunit. <i>FEBS Journal</i> , 1991, 199, 263-269.	0.2	65
15	Pharmacological Inhibition of the Chemokine Receptor, CX3CR1, Reduces Atherosclerosis in Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 2297-2305.	1.1	65
16	CX3CR1 reduces Ly6Chigh-monocyte motility within and release from the bone marrow after chemotherapy in mice. <i>Blood</i> , 2013, 122, 674-683.	0.6	63
17	Relationship between two voltage-dependent serotonin responses of molluscan neurones. <i>Brain Research</i> , 1981, 217, 201-206.	1.1	44
18	Adverse Associations Between CX3CR1 Polymorphisms and Risk of Cardiovascular or Cerebrovascular Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005, 25, 847-853.	1.1	44

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19	Guanine nucleotides and magnesium dependence of the association states of the subunits of transducin. <i>FEBS Letters</i> , 1984, 178, 228-232.	1.3	39
20	Functional Adhesiveness of the CX3CL1 Chemokine Requires Its Aggregation. <i>Journal of Biological Chemistry</i> , 2008, 283, 30225-30234.	1.6	39
21	The lymphocyte surface antigen CD38 acts as a nicotinamide adenine dinucleotide glycohydrolase in human T lymphocytes. <i>European Journal of Immunology</i> , 1993, 23, 3361-3364.	1.6	37
22	Role of CX3CR1 Receptor in Monocyte/Macrophage Driven Neovascularization. <i>PLoS ONE</i> , 2013, 8, e57230.	1.1	34
23	Plasmodium falciparum proteins involved in cytoadherence of infected erythrocytes to chemokine CX3CL1. <i>Scientific Reports</i> , 2016, 6, 33786.	1.6	32
24	Naturally acquired immunity against immature <i>Plasmodium falciparum</i> gametocytes. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	31
25	Two Novel Fully Functional Isoforms of CX3CR1 Are Potent HIV Coreceptors. <i>Journal of Immunology</i> , 2003, 171, 5305-5312.	0.4	30
26	Fractalkine/CX3CL1 production by human aortic smooth muscle cells impairs monocyte procoagulant and inflammatory responses. <i>Cytokine</i> , 2003, 21, 303-311.	1.4	29
27	CX3CL1, a chemokine finely tuned to adhesion: critical roles of the stalk glycosylation and the membrane domain. <i>Biology Open</i> , 2014, 3, 1173-1182.	0.6	28
28	ECL1i, d(LGTFLKC), a novel, small peptide that specifically inhibits CCL2-dependent migration. <i>FASEB Journal</i> , 2016, 30, 2370-2381.	0.2	27
29	Activation of Phosphodiesterase by Transducin in Bovine Rod Outer Segments: Characteristics of the Successive Binding of Two Transducins. <i>Biochemistry</i> , 1994, 33, 12625-12634.	1.2	25
30	Cloning and functional characterization of the human fractalkine receptor promoter regions. <i>Biochemical Journal</i> , 2002, 368, 753-760.	1.7	25
31	Sepsis Triggers a Late Expansion of Functionally Impaired Tissue-Vascular Inflammatory Monocytes During Clinical Recovery. <i>Frontiers in Immunology</i> , 2020, 11, 675.	2.2	24
32	Probing ligand-induced conformational changes of human CD38. <i>FEBS Journal</i> , 2000, 267, 3056-3064.	0.2	18
33	Serotonin- and dopamine-sensitive adenylate cyclase in molluscan nervous system. Biochemical and electrophysiological analysis of the pharmacological properties and the GTP-dependence. <i>Molecular Brain Research</i> , 1986, 1, 101-109.	2.5	15
34	CX3CL1 homo-oligomerization drives cell-to-cell adherence. <i>Scientific Reports</i> , 2020, 10, 9069.	1.6	13
35	Subtle conformational changes between CX3CR1 genetic variants as revealed by resonance energy transfer assays. <i>FASEB Journal</i> , 2010, 24, 4585-4598.	0.2	12
36	A natural CCL5/RANTES variant antagonist for CCR1 and CCR3. <i>Immunogenetics</i> , 2006, 58, 533-541.	1.2	10

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37	The adhesion mediated by the P-selectin Pâ€“selectin glycoprotein ligand-1 (PSGL-1) couple is stronger for shorter PSGL-1 variants. <i>Journal of Leukocyte Biology</i> , 2010, 87, 727-734.	1.5	9
38	Comprehensive analysis of chemokine-induced cAMP-inhibitory responses using a real-time luminescent biosensor. <i>Cellular Signalling</i> , 2016, 28, 120-129.	1.7	9
39	The retinal phototransduction process: enzymatic cascade and regulation. <i>Biochimie</i> , 1987, 69, 365-370.	1.3	8
40	Fluorometric studies of ligand-induced conformational changes of CD38. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2003, 1652, 17-26.	1.1	7
41	In search of science, in search of meaning. <i>EPJ Web of Conferences</i> , 2012, 34, 01004.	0.1	0
42	Fast Termination and Adaptation Processes in the cGMP Cascade of Visual Transduction. , 1987, , 225-239.		0
43	Molecular mechanism of visual transduction. , 1989, , 1-12.		0
44	Transducin, Rhodopsin, and 3â€²,5â€²-Cyclic GMP Phosphodiesterase: Typical G Protein-Mediated Transduction System. , 1990, , 215-239.		0