

# Pascal Fender

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

1,371  
citations

361413

20  
h-index

345221

36  
g-index

42  
all docs

42  
docs citations

42  
times ranked

1229  
citing authors

#	ARTICLE	IF	CITATIONS
1	Elicitation of potent SARS-CoV-2 neutralizing antibody responses through immunization with a versatile adenovirus-inspired multimerization platform. <i>Molecular Therapy</i> , 2022, 30, 1913-1925.	8.2	21
2	Translational development of a tumor junction opening technology. <i>Scientific Reports</i> , 2022, 12, 7753.	3.3	3
3	Binding Mechanism Elucidation of the Acute Respiratory Disease Causing Agent Adenovirus of Serotype 7 to Desmoglein-2. <i>Viruses</i> , 2020, 12, 1075.	3.3	7
4	The Adenovirus Dodecahedron: Beyond the Platonic Story. <i>Viruses</i> , 2020, 12, 718.	3.3	24
5	Synthetic self-assembling ADDomer platform for highly efficient vaccination by genetically encoded multiepitope display. <i>Science Advances</i> , 2019, 5, eaaw2853.	10.3	29
6	Remodeling of the Actin Network Associated with the Non-Structural Protein 1 (NS1) of West Nile Virus and Formation of NS1-Containing Tunneling Nanotubes. <i>Viruses</i> , 2019, 11, 901.	3.3	8
7	Structure-based Design of JOC-x, a Conjugatable Tumor Tight Junction Opener to Enhance Cancer Therapy. <i>Scientific Reports</i> , 2019, 9, 6169.	3.3	9
8	CryoEM structure of adenovirus type 3 fibre with desmoglein 2 shows an unusual mode of receptor engagement. <i>Nature Communications</i> , 2019, 10, 1181.	12.8	24
9	Intermediate-resolution crystal structure of the human adenovirus B serotype 3 fibre knob in complex with the EC2-EC3 fragment of desmoglein 2. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2019, 75, 750-757.	0.8	1
10	Mapping of Adenovirus of serotype 3 fibre interaction to desmoglein 2 revealed a novel "non-classical" mechanism of viral receptor engagement. <i>Scientific Reports</i> , 2018, 8, 8381.	3.3	18
11	Studies on the Interaction of Tumor-Derived HD5 Alpha Defensins with Adenoviruses and Implications for Oncolytic Adenovirus Therapy. <i>Journal of Virology</i> , 2017, 91, .	3.4	18
12	New insights into HCV replication in original cells from Aedes mosquitoes. <i>Virology Journal</i> , 2017, 14, 161.	3.4	4
13	The Use of Adenovirus Dodecahedron in the Delivery of an Enzymatic Activity in the Cell. <i>Biotechnology Research International</i> , 2016, 2016, 1-11.	1.4	5
14	Preclinical safety and efficacy studies with an affinity-enhanced epithelial junction opener and PEGylated liposomal doxorubicin. <i>Molecular Therapy - Methods and Clinical Development</i> , 2015, 2, 15005.	4.1	23
15	Crystal Structure of the Vaccinia Virus Uracil-DNA Glycosylase in Complex with DNA. <i>Journal of Biological Chemistry</i> , 2015, 290, 17923-17934.	3.4	24
16	Intracellular Signaling and Desmoglein 2 Shedding Triggered by Human Adenoviruses Ad3, Ad14, and Ad14P1. <i>Journal of Virology</i> , 2015, 89, 10841-10859.	3.4	37
17	Human Full-Length Coagulation Factor X and a GLA Domain-Derived 40-mer Polypeptide Bind to Different Regions of the Adenovirus Serotype 5 Hexon Capsomer. <i>Human Gene Therapy</i> , 2014, 25, 339-349.	2.7	7
18	Use of Dodecahedron "VLPs" as an Alternative to the Whole Adenovirus. <i>Methods in Molecular Biology</i> , 2014, 1089, 61-70.	0.9	6

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19	Structural and Functional Studies on the Interaction of Adenovirus Fiber Knobs and Desmoglein 2. <i>Journal of Virology</i> , 2013, 87, 11346-11362.	3.4	32
20	Penton-Dodecahedral Particles Trigger Opening of Intercellular Junctions and Facilitate Viral Spread during Adenovirus Serotype 3 Infection of Epithelial Cells. <i>PLoS Pathogens</i> , 2013, 9, e1003718.	4.7	32
21	A New Human DSG2-Transgenic Mouse Model for Studying the Tropism and Pathology of Human Adenoviruses. <i>Journal of Virology</i> , 2012, 86, 6286-6302.	3.4	45
22	Impact of Human Adenovirus Type 3 Dodecahedron on Host Cells and Its Potential Role in Viral Infection. <i>Journal of Virology</i> , 2012, 86, 5380-5385.	3.4	26
23	Generation and Biological Properties of a Recombinant Dodecahedron Containing the Short Fiber Protein of the Human Adenovirus 41. <i>Intervirology</i> , 2012, 55, 349-355.	2.8	1
24	Functional Characterisation of the WW Minimal Domain for Delivering Therapeutic Proteins by Adenovirus Dodecahedron. <i>PLoS ONE</i> , 2012, 7, e45416.	2.5	7
25	The Structural Basis for the Integrity of Adenovirus Ad3 Dodecahedron. <i>PLoS ONE</i> , 2012, 7, e46075.	2.5	25
26	Cell Entry and Trafficking of Human Adenovirus Bound to Blood Factor X Is Determined by the Fiber Serotype and Not Hexon:Heparan Sulfate Interaction. <i>PLoS ONE</i> , 2011, 6, e18205.	2.5	29
27	Desmoglein 2 is a receptor for adenovirus serotypes 3, 7, 11 and 14. <i>Nature Medicine</i> , 2011, 17, 96-104.	30.7	348
28	Epithelial Junction Opener JO-1 Improves Monoclonal Antibody Therapy of Cancer. <i>Cancer Research</i> , 2011, 71, 7080-7090.	0.9	75
29	A fiber-modified adenoviral vector interacts with immunoevasion molecules of the B7 family at the surface of murine leukemia cells derived from dormant tumors. <i>Molecular Cancer</i> , 2011, 10, 105.	19.2	9
30	Multimerization of Adenovirus Serotype 3 Fiber Knob Domains Is Required for Efficient Binding of Virus to Desmoglein 2 and Subsequent Opening of Epithelial Junctions. <i>Journal of Virology</i> , 2011, 85, 6390-6402.	3.4	75
31	Influence of chimeric human-bovine fibers on adenoviral uptake by liver cells and the antiviral immune response. <i>Gene Therapy</i> , 2010, 17, 880-891.	4.5	19
32	In Vivo Delivery of Antigens by Adenovirus Dodecahedron Induces Cellular and Humoral Immune Responses to Elicit Antitumor Immunity. <i>Molecular Therapy</i> , 2010, 18, 1046-1053.	8.2	30
33	Infection kinetics of human adenovirus serotype 41 in HEK 293 cells. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2009, 104, 736-744.	1.6	12
34	Adenovirus dodecahedron cell attachment and entry are mediated by heparan sulfate and integrins and vary along the cell cycle. <i>Virology</i> , 2008, 371, 155-164.	2.4	28
35	Heparan Sulphate Proteoglycans and Viral Vectors : Ally or Foe?. <i>Current Gene Therapy</i> , 2006, 6, 35-44.	2.0	33
36	Cellular uptake of the EBV transcription factor EB1/Zta. <i>Virus Research</i> , 2005, 110, 187-193.	2.2	8

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37	Poneratoxin, a neurotoxin from ant venom. FEBS Journal, 2004, 271, 2127-2136.	0.2	40
38	Heparan sulfate proteoglycan mediates the selective attachment and internalization of serotype 3 human adenovirus dodecahedron. Virology, 2004, 321, 332-340.	2.4	43
39	Adenovirus Dodecahedron Allows Large Multimeric Protein Transduction in Human Cells. Journal of Virology, 2003, 77, 4960-4964.	3.4	38
40	Adenovirus dodecahedron, a new vector for human gene transfer. Nature Biotechnology, 1997, 15, 52-56.	17.5	146