RESEARCH & PUBLICATIONS

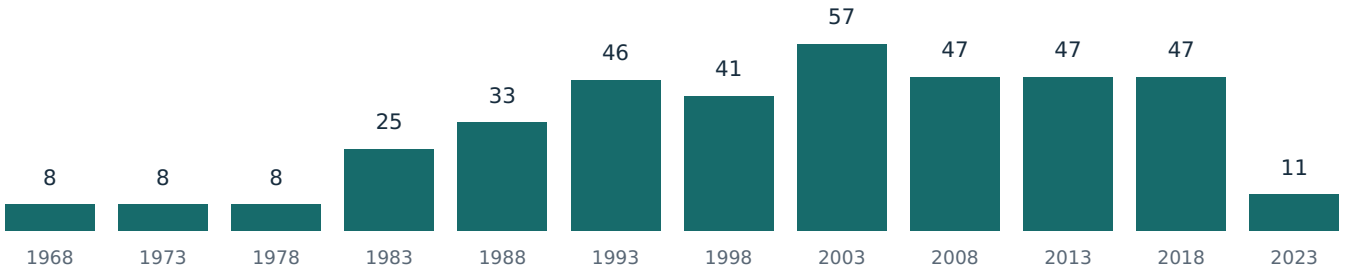
Stephen C. Harrison

A publication record at a glance

378	60,975	125
ARTICLES	CITATIONS	h-INDEX

PUBLICATION ACTIVITY

Articles grouped into 5-year periods



MOST CITED IN THIS LIST

Structure of SARS Coronavirus Spike Receptor-Binding Domain Complexed With Receptor — 1,708
2005 Science

Atomic Structure of the Ectodomain From HIV-1 gp41 — 1,669
1997 Nature

Three-Dimensional Structure of the Tyrosine Kinase c-Src — 1,451
1997 Nature

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Ordered by publication year, newest first

2026

01 **Structures of Folding Intermediates on BAM Show Diverse Substrates Fold by a Conserved Mechanism**
Proceedings of the National Academy of Sciences of the United States of America · 123, e2534936123
https://exaly.com/article/212183751
3 citations

02 **Mechanism of Membrane Perforation in Rotavirus Cell Entry.**
Science · 393, 1128-1133
https://exaly.com/article/218024748
0 citations

2025

03 **Foreword**
Proteins: Structure, Function and Bioinformatics
https://exaly.com/article/194945521
0 citations

04 **Octahedral Small Virus-Like Particles of Dengue Virus Type 2.**
Journal of Virology · 99, e0180924
https://exaly.com/article/196239084
9 citations

05 **Fluorescence-Barcoded Cell Lines Stably Expressing Membrane-Anchored Influenza Neuraminidases**
Vaccine · 56, 127157
https://exaly.com/article/200097485
0 citations

06 **A Coordinated Kinase and Phosphatase Network Regulates Stu2 Recruitment to Yeast Kinetochores**
Journal of Cell Biology
https://exaly.com/article/202363620
2 citations

2024

07 **Protective Human Antibodies Against a Conserved Epitope in Pre- and Postfusion Influenza Hemagglutinin**
Proceedings of the National Academy of Sciences of the United States of America · 121, e2316964120
https://exaly.com/article/174251461
11 citations

08 **The Rotavirus VP5*/VP8* Conformational Transition Permeabilizes Membranes to Ca2+**
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13 citations

09 **A Communication Hub for Phosphoregulation of Kinetochore-Microtubule Attachment**
Current Biology · 34, 2308-2318.e6
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16 citations

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2023

10 **Structure of the Ndc80 Complex and Its Interactions at the Yeast Kinetochore–Microtubule Interface**
20 citations
Open Biology · 13, 220378
https://exaly.com/article/161359844

11 **Recognition of Centromere-Specific Histone Cse4 by the Inner Kinetochore Okp1-Ame1 Complex**
8 citations
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https://exaly.com/article/171596044

2022

12 **Recall of B Cell Memory Depends on Relative Locations of Prime and Boost Immunization**
58 citations
Science Immunology · 7, eabn5311
https://exaly.com/article/145238524

13 **Antibodies Induced by an Ancestral SARS-CoV-2 Strain That Cross-Neutralize Variants From Alpha to Omicron BA.1**
31 citations
Science Immunology · 7, eabo3425
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14 **Rotavirus VP4 Epitope of a Broadly Neutralizing Human Antibody Defined by Its Structure Bound With an Attenuated-Strain Virion.**
21 citations
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15 **Visualizing Molecular Interactions That Determine Assembly of a Bullet-Shaped Vesicular Stomatitis Virus Particle**
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16 **Infant Antibody Repertoires During the First Two Years of Influenza Vaccination.**
8 citations
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2021

17 **Antibodies That Engage the Hemagglutinin Receptor-Binding Site of Influenza B Viruses**
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18 Recapitulation of HIV-1 Env-Antibody Coevolution in Macaques Leading to Neutralization Breadth
82 citations
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19 Functional Refolding of the Penetration Protein on a Non-Enveloped Virus
41 citations
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20 Author Response: Structural Basis of Stu2 Recruitment to Yeast Kinetochores
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23 A Prevalent Focused Human Antibody Response to the Influenza Virus Hemagglutinin Head Interface.
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24 Ctf3/CENP-I Provides a Docking Site for the Desumoylase Ulp2 at the Kinetochore
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https://exaly.com/article/81162397

25 Recognition of Divergent Viral Substrates by the SARS-CoV-2 Main Protease
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26 Memory B Cell Repertoire for Recognition of Evolving SARS-CoV-2 Spike
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27 Structure of the Vesicular Stomatitis Virus L Protein in Complex With Its Phosphoprotein Cofactor
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28 The Structural Basis for Kinetochore Stabilization by Cnn1/CENP-T
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29 Structure of a Nascent Membrane Protein as It Folds on the BAM Complex
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31 Cryoelectron Microscopy Structure of a Yeast Centromeric Nucleosome at 2.7 Å Resolution
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32 Cryo-EM Structure of Full-Length HIV-1 Env Bound With the Fab of Antibody PG16
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34 Structures of the ATP-Fueled ClpXP Proteolytic Machine Bound to Protein Substrate.
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36 Horace’s Hymn to Bacchus (Odes 2.19): Poetics and Politics
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37 Structure of the Centromere Binding Factor 3 Complex From Kluyveromyces lactis
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38 In Situ Structure of Rotavirus VP1 RNA-Dependent RNA Polymerase
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39 Antibodies to a Conserved Influenza Head Interface Epitope Protect by an IgG Subtype-Dependent Mechanism
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40 Autoreactivity Profiles of Influenza Hemagglutinin Broadly Neutralizing Antibodies
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41 Affinity Maturation in a Human Humoral Response to Influenza Hemagglutinin
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42 Self-Tolerance Curtails the B Cell Repertoire to Microbial Epitopes
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43 The Structure of the Ctf19c/CCAN From Budding Yeast.
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47 Author Response: The Structure of the Ctf19c/CCAN From Budding Yeast
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48 Rotavirus Particles With Chimeric Surface Proteins
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2018

49 **Memory B Cells That Cross-React With Group 1 and Group 2 Influenza A Viruses Are Abundant in Adult Human Repertoires** — 131 citations

Immunity · 48, 174-184.e9

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50 **Conserved Epitope on Influenza-Virus Hemagglutinin Head Defined by a Vaccine-Induced Antibody** — 132 citations

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51 **Structure of the DASH/Dam1 Complex Shows Its Role at the Yeast Kinetochore-Microtubule Interface** — 64 citations

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52 **HIV Envelope V3 Region Mimic Embodies Key Features of a Broadly Neutralizing Antibody Lineage Epitope** — 27 citations

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53 **Kinetochore Function From the Bottom Up** — 46 citations

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54 **Visualization of Calcium Ion Loss From Rotavirus During Cell Entry.** — 31 citations

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55 **Structure of the Membrane Proximal External Region of HIV-1 Envelope Glycoprotein** — 80 citations

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56 **Intra-Seasonal Antibody Repertoire Analysis of a Subject Immunized With an MF59®-Adjuvanted Pandemic 2009 H1N1 Vaccine** — 3 citations

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57 **How Small-Molecule Inhibitors of Dengue-Virus Infection Interfere With Viral Membrane Fusion.** — 22 citations

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58 **Author Response: How Small-Molecule Inhibitors of Dengue-Virus Infection Interfere With Viral Membrane Fusion**
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59 **Conformational States of a Soluble, Uncleaved HIV-1 Envelope Trimer.**
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https://exaly.com/article/66133860

60 **Antigenicity-Defined Conformations of an Extremely Neutralization-Resistant HIV-1 Envelope Spike**
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61 **Protein Tentacles**
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62 **CryoEM Structure of an Influenza Virus Receptor-Binding Site Antibody–Antigen Interface**
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63 **Staged Induction of HIV-1 Glycan–Dependent Broadly Neutralizing Antibodies**
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64 **Mechanism of Membrane Fusion Induced by Vesicular Stomatitis Virus G Protein**
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65 **The Kinetochore Receptor for the Cohesin Loading Complex**
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66 **Single-Particle Detection of Transcription Following Rotavirus Entry.**
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67 **Pictures of the Prologue to Neurotransmitter Release**
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68 Initiation of HIV Neutralizing B Cell Lineages With Sequential Envelope Immunizations
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69 Molecular Structures of Yeast Kinetochore Subcomplexes and Their Roles in Chromosome Segregation
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71 Conserved Tetramer Junction in the Kinetochore Ndc80 Complex
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72 Complex Antigens Drive Permissive Clonal Selection in Germinal Centers
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73 Immunogenic Cross-Talk Between Dengue and Zika Viruses
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74 Structure of the MIS12 Complex and Molecular Basis of Its Interaction With CENP-C at Human Kinetochores
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75 Structure of the MIND Complex Defines a Regulatory Focus for Yeast Kinetochore Assembly
114 citations
Cell · 167, 1014-1027.e12
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76 Influenza Immunization Elicits Antibodies Specific for an Egg-Adapted Vaccine Strain
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Nature Medicine · 22, 1465-1469
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77 Structural Constraints of Vaccine-Induced Tier-2 Autologous HIV Neutralizing Antibodies Targeting the Receptor-Binding Site — 48 citations

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78 Immunogenic Stimulus for Germline Precursors of Antibodies That Engage the Influenza Hemagglutinin Receptor-Binding Site — 59 citations

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79 Molecular Basis for Antibody-Mediated Neutralization of New World Hemorrhagic Fever Mammarenaviruses — 57 citations

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80 Structure of the L Protein of Vesicular Stomatitis Virus From Electron Cryomicroscopy — 279 citations

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82 Viral Membrane Fusion — 658 citations

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83 Key Mutations Stabilize Antigen-Binding Conformation During Affinity Maturation of a Broadly Neutralizing Influenza Antibody Lineage — 34 citations

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87 Autoinhibition of Bruton's Tyrosine Kinase (Btk) and Activation by Soluble Inositol Hexakisphosphate.
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98 Druggable Regions in the Dengue Virus Envelope Glycoprotein and Methods of Using the Same — 0 citations

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99 An Iml3-Chl4 Heterodimer Links the Core Centromere to Factors Required for Accurate Chromosome Segregation — 60 citations

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104 **Preconfiguration of the Antigen-Binding Site During Affinity Maturation of a Broadly Neutralizing Influenza Virus Antibody**
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105 **Influenza-Virus Membrane Fusion by Cooperative Fold-Back of Stochastically Induced Hemagglutinin Intermediates.**
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106 **Small-Molecule Inhibitors of Dengue-Virus Entry**
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108 **RWD Domain: A Recurring Module in Kinetochore Architecture Shown by a Ctf19–Mcm21 Complex Structure**
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