

# Eswar Reddy Reddem

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9923166/publications.pdf>

Version: 2024-02-01

15  
papers

1,000  
citations

840585

11  
h-index

1058333

14  
g-index

22  
all docs

22  
docs citations

22  
times ranked

2242  
citing authors

#	ARTICLE	IF	CITATIONS
1	Potent SARS-CoV-2 neutralizing antibodies directed against spike N-terminal domain target a single supersite. <i>Cell Host and Microbe</i> , 2021, 29, 819-833.e7.	5.1	444
2	An Artificial Heme Enzyme for Cyclopropanation Reactions. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7785-7789.	7.2	98
3	Directed Evolution of a Designer Enzyme Featuring an Unnatural Catalytic Amino Acid. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 2083-2087.	7.2	63
4	Explaining Operational Instability of Amine Transaminases: Substrate-Induced Inactivation Mechanism and Influence of Quaternary Structure on Enzymeâ€™Cofactor Intermediate Stability. <i>ACS Catalysis</i> , 2017, 7, 1259-1269.	5.5	54
5	Modular basis for potent SARS-CoV-2 neutralization by a prevalent VH1-2-derived antibody class. <i>Cell Reports</i> , 2021, 35, 108950.	2.9	54
6	Structural basis for accommodation of emerging B.1.351 and B.1.1.7 variants by two potent SARS-CoV-2 neutralizing antibodies. <i>Structure</i> , 2021, 29, 655-663.e4.	1.6	52
7	Neutralizing antibody 5-7 defines a distinct site of vulnerability in SARS-CoV-2 spike N-terminal domain. <i>Cell Reports</i> , 2021, 37, 109928.	2.9	52
8	Paired heavy- and light-chain signatures contribute to potent SARS-CoV-2 neutralization in public antibody responses. <i>Cell Reports</i> , 2021, 37, 109771.	2.9	38
9	An antibody class with a common CDRH3 motif broadly neutralizes sarbecoviruses. <i>Science Translational Medicine</i> , 2022, 14, eabn6859.	5.8	31
10	Cofactor Binding Dynamics Influence the Catalytic Activity and Selectivity of an Artificial Metalloenzyme. <i>ACS Catalysis</i> , 2020, 10, 11783-11790.	5.5	24
11	DXS as a target for structure-based drug design. <i>Future Medicinal Chemistry</i> , 2017, 9, 1277-1294.	1.1	12
12	Identification of a 1-deoxy-D-xylulose-5-phosphate synthase (DXS) mutant with improved crystallographic properties. <i>Biochemical and Biophysical Research Communications</i> , 2021, 539, 42-47.	1.0	9
13	Identifying a Molecular Mechanism That Imparts Species-Specific Toxicity to YoeB Toxins. <i>Frontiers in Microbiology</i> , 2020, 11, 959.	1.5	4
14	Antibody screening at reduced <sc>pH</sc> enables preferential selection of potently neutralizing antibodies targeting <sc>SARSâ€™CoV</sc>â€™2. <i>AIChE Journal</i> , 2021, 67, e17440.	1.8	4
15	Paired Heavy and Light Chain Signatures Contribute to Potent SARS-CoV-2 Neutralization in Public Antibody Responses. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1