

Yee Siew Choong

List of Publications by Year in descending order

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80
papers

776
citations

566801

15
h-index

642321

23
g-index

81
all docs

81
docs citations

81
times ranked

1260
citing authors

#	ARTICLE	IF	CITATIONS
1	General overview on structure prediction of twilight-zone proteins. <i>Theoretical Biology and Medical Modelling</i> , 2015, 12, 15.	2.1	68
2	Phage display antibodies for diagnostic applications. <i>Biologicals</i> , 2013, 41, 209-216.	0.5	38
3	Potential Inhibitors for Isocitrate Lyase of <i>Mycobacterium tuberculosis</i> and Non- <i>M. tuberculosis</i> : A Summary. <i>BioMed Research International</i> , 2015, 2015, 1-20.	0.9	30
4	Cognizance of Molecular Methods for the Generation of Mutagenic Phage Display Antibody Libraries for Affinity Maturation. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1861.	1.8	30
5	Principles and application of antibody libraries for infectious diseases. <i>Biotechnology Letters</i> , 2014, 36, 2381-2392.	1.1	28
6	<i>Cassia spectabilis</i> (DC) Irwin et Barn: A Promising Traditional Herb in Health Improvement. <i>Molecules</i> , 2012, 17, 10292-10305.	1.7	26
7	Generation of a naïve human single chain variable fragment (scFv) library for the identification of monoclonal scFv against <i>Salmonella Typhi</i> Hemolysin E antigen. <i>Toxicon</i> , 2016, 117, 94-101.	0.8	26
8	Synthesis, Biological Evaluation and Molecular Docking of Novel Indole-Aminoquinazoline Hybrids for Anticancer Properties. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2232.	1.8	26
9	G-Quadruplexes as An Alternative Recognition Element in Disease-Related Target Sensing. <i>Molecules</i> , 2019, 24, 1079.	1.7	26
10	Elucidating Isoniazid Resistance Using Molecular Modeling. <i>Journal of Chemical Information and Modeling</i> , 2009, 49, 97-107.	2.5	24
11	Applications of Ensemble Docking in Potential Inhibitor Screening for <i>Mycobacterium tuberculosis</i> Isocitrate Lyase Using a Local Plant Database. <i>Journal of Chemical Information and Modeling</i> , 2019, 59, 2487-2495.	2.5	19
12	Synthesis of furocoumarin-stilbene hybrids as potential multifunctional drugs against multiple biochemical targets associated with Alzheimer's disease. <i>Bioorganic Chemistry</i> , 2020, 101, 103997.	2.0	19
13	Herbal Remedies for Combating Irradiation: a Green Anti-irradiation Approach. <i>Asian Pacific Journal of Cancer Prevention</i> , 2013, 14, 5553-5565.	0.5	19
14	Structural and functional studies of a 50kDa antigenic protein from <i>Salmonella enterica</i> serovar Typhi. <i>Journal of Molecular Graphics and Modelling</i> , 2011, 29, 834-842.	1.3	18
15	Construction of a Semisynthetic Human VH Single-Domain Antibody Library and Selection of Domain Antibodies against Î±-Crystalline of <i>Mycobacterium tuberculosis</i> . <i>Journal of Biomolecular Screening</i> , 2016, 21, 35-43.	2.6	17
16	The Structure and Dynamics of BmR1 Protein from <i>Brugia malayi</i> : In Silico Approaches. <i>International Journal of Molecular Sciences</i> , 2014, 15, 11082-11099.	1.8	16
17	Application of streptavidin mass spectrometric immunoassay tips for immunoaffinity based antibody phage display panning. <i>Journal of Microbiological Methods</i> , 2016, 120, 6-14.	0.7	16
18	Directed evolution of nucleotide-based libraries using lambda exonuclease. <i>BioTechniques</i> , 2012, 53, 357-64.	0.8	15

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19	DNA fluorescence shift sensor: A rapid method for the detection of DNA hybridization using silver nanoclusters. <i>Journal of Colloid and Interface Science</i> , 2014, 433, 183-188.	5.0	15
20	Synthesis, In Vitro Evaluation and Molecular Docking of the 5-Acetyl-2-aryl-6-hydroxybenzo[b]furans against Multiple Targets Linked to Type 2 Diabetes. <i>Biomolecules</i> , 2020, 10, 418.	1.8	15
21	Development of monoclonal antibodies against recombinant LipL21 protein of pathogenic <i>Leptospira</i> through phage display technology. <i>International Journal of Biological Macromolecules</i> , 2021, 168, 289-300.	3.6	15
22	Development of an Antigen-DNAzyme Based Probe for a Direct Antibody-Antigen Assay Using the Intrinsic DNAzyme Activity of a Daunomycin Aptamer. <i>Sensors</i> , 2014, 14, 346-355.	2.1	13
23	Benzofuran-appended 4-aminoquinazoline hybrids as epidermal growth factor receptor tyrosine kinase inhibitors: synthesis, biological evaluation and molecular docking studies. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018, 33, 1516-1528.	2.5	13
24	Delineation of B-cell Epitopes of <i>Salmonella enterica</i> serovar Typhi Hemolysin E: Potential antibody therapeutic target. <i>Scientific Reports</i> , 2017, 7, 2176.	1.6	12
25	Synthesis and In Vitro Cytotoxicity of the 4-(Halogenoanilino)-6-bromoquinazolines and Their 6-(4-Fluorophenyl) Substituted Derivatives as Potential Inhibitors of Epidermal Growth Factor Receptor Tyrosine Kinase. <i>Pharmaceuticals</i> , 2017, 10, 87.	1.7	12
26	An intermolecular-split G-quadruplex DNAzyme sensor for dengue virus detection. <i>RSC Advances</i> , 2020, 10, 33040-33051.	1.7	12
27	Heterocyclic Substitutions Greatly Improve Affinity and Stability of Folic Acid towards FR1. An In Silico Insight. <i>Molecules</i> , 2021, 26, 1079.	1.7	11
28	Discovery of anti-Ebola drugs: a computational drug repositioning case study. <i>RSC Advances</i> , 2016, 6, 26329-26340.	1.7	10
29	Dengue serotyping with a label-free DNA sensor. <i>Analytical Methods</i> , 2018, 10, 214-222.	1.3	10
30	Minireview: Applied Structural Bioinformatics in Proteomics. <i>Protein Journal</i> , 2013, 32, 505-511.	0.7	9
31	Synthesis, Biological Evaluation and Molecular Docking Studies of 6-Aryl-2-Styrylquinazolin-4(3H)-Ones. <i>Molecules</i> , 2016, 21, 28.	1.7	9
32	Active Site Flexibility of <i>Mycobacterium tuberculosis</i> Isocitrate Lyase in Dimer Form. <i>Journal of Chemical Information and Modeling</i> , 2017, 57, 2351-2357.	2.5	9
33	Generation and selection of naïve Fab library for parasitic antigen: Anti-SXP antibodies for lymphatic filariasis. <i>Biotechnology and Applied Biochemistry</i> , 2018, 65, 346-354.	1.4	9
34	Vaccines for TB: Lessons from the Past Translating into Future Potentials. <i>Journal of Immunology Research</i> , 2015, 2015, 1-9.	0.9	8
35	Broad specificity of immune helminth scFv library to identify monoclonal antibodies targeting Strongyloides. <i>Scientific Reports</i> , 2021, 11, 2502.	1.6	8
36	Improved Fab presentation on phage surface with the use of molecular chaperone coplasmid system. <i>Analytical Biochemistry</i> , 2015, 477, 56-61.	1.1	7

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37	Molecular Dynamics Simulations in Drug Discovery. , 2019, , 652-665.		7
38	Synthesis, crystal structure, cytotoxicity and evaluation of the 6-oxo-6H-pyrrolo[3,2,1-ij]quinoline-5-carbaldehydes for inhibitory effect against protein kinases (VEGFR-2 and EGFR) and cyclooxygenase-2 (COX-2) activities. Journal of Molecular Structure, 2020, 1222, 128907.	1.8	7
39	Computer-Aided Antibody Design: An Overview. Advances in Experimental Medicine and Biology, 2017, 1053, 221-243.	0.8	6
40	Synthesis and Evaluation of N-(3-Trifluoroacetyl-indol-7-yl) Acetamides for Potential In Vitro Antiplasmodial Properties. Molecules, 2017, 22, 1099.	1.7	6
41	The Effect of CYP2B6, CYP2D6, and CYP3A4 Alleles on Methadone Binding: A Molecular Docking Study. Journal of Chemistry, 2013, 2013, 1-7.	0.9	5
42	Theoretical investigation of the derivatives of favipiravir (T-705) as potential drugs for Ebola virus. Physical Sciences Reviews, 2018, 3, .	0.8	5
43	Demystifying the catalytic pathway of Mycobacterium tuberculosis isocitrate lyase. Scientific Reports, 2020, 10, 18925.	1.6	5
44	Theoretical study of the interactions between peptide tyrosine tyrosine [PYY (1-36)], a newly identified modulator in type 2 diabetes pathophysiology, with receptors NPY1R and NPY4R. Hormones, 2021, 20, 557-569.	0.9	5
45	A 35kDa antigenic protein from Shigella flexneri: In silico structural and functional studies. Biochemical and Biophysical Research Communications, 2011, 415, 229-234.	1.0	4
46	Assembly and stability of Salmonella enterica ser. Typhi TolC protein in POPE and DMPE. Journal of Biological Physics, 2014, 40, 387-400.	0.7	4
47	The design of target specific antibodies (scFv) by applying de novo workflow: Case study on BmR1 antigen from Brugia malayi. Journal of Molecular Graphics and Modelling, 2017, 76, 543-550.	1.3	4
48	The structural insights of 16.3 kDa heat shock protein (HSP16.3) from Mycobacterium tuberculosis via in silico study. Molecular Simulation, 2018, 44, 117-127.	0.9	4
49	Integration of molecular dynamics simulation and hotspot residues grafting for de novo scFv design against Salmonella Typhi TolC protein. Journal of Molecular Recognition, 2018, 31, e2695.	1.1	4
50	DNA Switch: Toehold-Mediated DNA Isothermal Amplification for Dengue Serotyping. SLAS Discovery, 2019, 24, 68-76.	1.4	4
51	Synthesis, Structure, Carbohydrate Enzyme Inhibition, Antioxidant Activity, In Silico Drug-Receptor Interactions and Drug-Like Profiling of the 5-Styryl-2-Amino-chalcone Hybrids. Molecules, 2021, 26, 2692.	1.7	4
52	Theoretical investigation on structural, functional and epitope of a 12 kDa excretory-secretory protein from Toxoplasma gondii. BMC Structural Biology, 2012, 12, 30.	2.3	3
53	In Silico Investigation of a HIV-1 Vpr Inhibitor Binding Site: Potential for Virtual Screening and anti-HIV Drug Design. Molecular Informatics, 2014, 33, 742-748.	1.4	3
54	A general overview on outer membrane protein (Omp) simulations. Journal of Computational Science, 2016, 17, 285-291.	1.5	3

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55	Cassette hybridization for vector assembly application in antibody chain shuffling. <i>BioTechniques</i> , 2018, 65, 269-274.	0.8	3
56	Human IgG1 Fc pH-dependent optimization from a constant pH molecular dynamics simulation analysis. <i>RSC Advances</i> , 2020, 10, 13066-13075.	1.7	3
57	Data curation to improve the pattern recognition performance of B-cell epitope prediction by support vector machine. <i>Pure and Applied Chemistry</i> , 2021, 93, 571-577.	0.9	3
58	Development and structural characterisation of human scFv targeting MDM2 spliced variant MDM215kDa. <i>Molecular Immunology</i> , 2021, 135, 191-203.	1.0	3
59	Improved Expression of Single-Chain Fragment Variable Antibodies Devoid of Leader Peptides in the Cytoplasm. <i>Current Proteomics</i> , 2015, 12, 117-123.	0.1	3
60	Synthesis, in vitro and in silico enzyme (COX-1/2 & LOX-5), free radical scavenging and cytotoxicity profiling of the 2,4-dicarbo substituted quinazoline 3-oxides. <i>Medicinal Chemistry Research</i> , 2022, 31, 146-164.	1.1	3
61	Assembly of highly diverse genes using degenerate oligonucleotides by temperature cascade. <i>Analytical Biochemistry</i> , 2012, 431, 54-56.	1.1	2
62	Phage Display-Derived Antibodies: Application of Recombinant Antibodies for Diagnostics. , 2016, , .		2
63	Optimisation of human VH domain antibodies specific to Mycobacterium tuberculosis heat shock protein (HSP16.3). <i>Journal of Computer-Aided Molecular Design</i> , 2019, 33, 375-385.	1.3	2
64	A Direct Role for the CD1b Endogenous Spacer in the Recognition of a Mycobacterium tuberculosis Antigen by T-Cell Receptors. <i>Frontiers in Immunology</i> , 2020, 11, 566710.	2.2	2
65	Biological evaluation the 2-aryl-3-dihydrobenzodiazaborinones as potential dual α -glucosidase and α -amylase inhibitors with antioxidant properties. <i>Chemical Biology and Drug Design</i> , 2021, 98, 234-247.	1.5	2
66	Mass Spectrometry Immuno Assay (MSIA [®]) Streptavidin Disposable Automation Research Tips (D.A.R.T [™] s [®]) Antibody Phage Display Biopanning. <i>Methods in Molecular Biology</i> , 2018, 1701, 285-299.	0.4	1
67	Chemoenzymatic Bioconjugation of Antibodies: Linking Proteins for Biomedical Applications. , 2018, , 359-381.		1
68	Structural approaches for the DNA binding motifs prediction in Bacillus thuringiensis sigma-E transcription factor (σ ETF). <i>Journal of Molecular Modeling</i> , 2019, 25, 301.	0.8	1
69	Interactions of domain antibody (dAb [®] 11) with Mycobacterium tuberculosis Ac2SGL in complex with CD1b. <i>Tuberculosis</i> , 2019, 114, 9-16.	0.8	1
70	Potential Inhibition of COVID-19 RNA-dependent RNA Polymerase by Hepatitis C Virus Non-nucleoside Inhibitors: An In-silico Perspective. <i>Letters in Drug Design and Discovery</i> , 2021, 18, 429-435.	0.4	1
71	Synthesis, Molecular Docking and Tyrosinase Inhibitory Activity of the Decorated Methoxy Sulfonamide Chalcones: in vitro Inhibitory Effects and the Possible Binding Mode. <i>Sains Malaysiana</i> , 2021, 50, 2603-2614.	0.3	1
72	Revisiting the Culture of Latent Stage Mycobacterium smegmatis on a Standard Agar Plate. <i>Journal of Advanced Biotechnology and Bioengineering</i> , 0, 6, 15-19.	2.3	1

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73	B-cell epitope prediction module development. Asian Pacific Journal of Tropical Disease, 2014, 4, 248.	0.5	0
74	Elucidation and validation of single chain fragment variation against 12 kDa ES protein from Toxoplasma gondii. Asian Pacific Journal of Tropical Disease, 2014, 4, 247.	0.5	0
75	High Affinity Maturated Human Antibodies from Na ⁺ ve and Synthetic Antibody Repertoires. , 2018, , .		0
76	2. Theoretical investigation of the derivatives of favipiravir (T-705) as potential drugs for Ebola virus. , 2018, , 19-32.		0
77	Conformations and interactions comparison between R- and S-methadone in wild type CYP2B6, 2D6 and 3A4. Physical Sciences Reviews, 2019, 4, .	0.8	0
78	The Molecular Dynamics Simulation of a Multi-domain Outer Membrane Protein A (OmpA) from Shigella flexneri in POPE Lipid Bilayer. , 2019, , 71-83.		0
79	2 Conformations and interactions comparison between R- and S-methadone in wild type CYP2B6, 2D6 and 3A4. , 2020, , 13-24.		0
80	<i>In silico</i> design of ACE2 mutants for competitive binding of SARS-CoV-2 receptor binding domain with hACE2. ChemistrySelect, 2022, .	0.7	0