

# Edward Chen

## List of Publications by Year in descending order

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54  
papers

1,478  
citations

471509

17  
h-index

315739

38  
g-index

56  
all docs

56  
docs citations

56  
times ranked

2066  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bayesian modelling of high-throughput sequencing assays with malacoda. PLoS Computational Biology, 2020, 16, e1007504.	3.2	1
2	Bayesian modelling of high-throughput sequencing assays with malacoda. , 2020, 16, e1007504.		0
3	Bayesian modelling of high-throughput sequencing assays with malacoda. , 2020, 16, e1007504.		0
4	Bayesian modelling of high-throughput sequencing assays with malacoda. , 2020, 16, e1007504.		0
5	Bayesian modelling of high-throughput sequencing assays with malacoda. , 2020, 16, e1007504.		0
6	Bayesian modelling of high-throughput sequencing assays with malacoda. , 2020, 16, e1007504.		0
7	Bayesian modelling of high-throughput sequencing assays with malacoda. , 2020, 16, e1007504.		0
8	Bayesian modelling of high-throughput sequencing assays with malacoda. , 2020, 16, e1007504.		0
9	Bayesian modelling of high-throughput sequencing assays with malacoda. , 2020, 16, e1007504.		0
10	Functionalization of CD36 cardiovascular disease and expression associated variants by interdisciplinary high throughput analysis. PLoS Genetics, 2019, 15, e1008287.	3.5	9
11	A clinical survey of mosaic single nucleotide variants in disease-causing genes detected by exome sequencing. Genome Medicine, 2019, 11, 48.	8.2	55
12	Identification of the Regulatory Elements and Target Genes of Megakaryopoietic Transcription Factor MEF2C. Thrombosis and Haemostasis, 2019, 119, 716-725.	3.4	5
13	Electron affinities of substituted nitrobenzenes from negative ion mass spectrometry lifetimes and literature electron affinities. Rapid Communications in Mass Spectrometry, 2018, 32, 604-606.	1.5	13
14	Design tools for MPRA experiments. Bioinformatics, 2018, 34, 2682-2683.	4.1	7
15	Comment on: Negative ions, molecular electron affinity and orbital structure of cataâ€condensed polycyclic aromatic hydrocarbons by Rustem V. Khatymov, Mars V. Muftakhov and Pavel V. Shchukin. Rapid Communications in Mass Spectrometry, 2018, 32, 230-234.	1.5	4
16	Electron affinities from gas chromatography electron capture detector and negative ion mass spectrometry responses and complementary methods. Journal of Chromatography A, 2018, 1573, 1-17.	3.7	5
17	Identification of the Genetic Variant Responsible for Variable Platelet CD36 Expression By Massively Parallel Reporter Assay. Blood, 2018, 132, 520-520.	1.4	0
18	HER2 Reactivation through Acquisition of the HER2 L755S Mutation as a Mechanism of Acquired Resistance to HER2-targeted Therapy in HER2+ Breast Cancer. Clinical Cancer Research, 2017, 23, 5123-5134.	7.0	85

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19	Mass spectrometric determination of Morse parameters for the fifty-four superoxide states dissociating to the lowest limit. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 1384-1390.	1.5	1
20	Integrative Multi-omic Analysis of Human Platelet eQTLs Reveals Alternative Start Site in Mitofusin 2. <i>American Journal of Human Genetics</i> , 2016, 98, 883-897.	6.2	27
21	Identification of a RAI1-associated disease network through integration of exome sequencing, transcriptomics, and 3D genomics. <i>Genome Medicine</i> , 2016, 8, 105.	8.2	20
22	A visual and curatorial approach to clinical variant prioritization and disease gene discovery in genome-wide diagnostics. <i>Genome Medicine</i> , 2016, 8, 13.	8.2	37
23	Atmospheric pressure anion mass spectrometry: electron affinities and activation energies of thermal electron attachment to perfluoromethylcyclohexane, C <sub>7</sub> F <sub>14</sub> . <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 1165-1177.	1.5	5
24	Hylleraas hydride binding energy: diatomic electron affinities. <i>Journal of Molecular Modeling</i> , 2015, 21, 79.	1.8	2
25	Hyperfine electron affinities of molecular oxygen. <i>Computational and Theoretical Chemistry</i> , 2014, 1050, 89-95.	2.5	4
26	Negative surface ionization electron affinities and activation energies of SF <sub>n</sub> . <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 527-535.	1.5	6
27	NetComm: a network analysis tool based on communicability. <i>Bioinformatics</i> , 2014, 30, 3387-3389.	4.1	2
28	Human platelet microRNA-mRNA networks associated with age and gender revealed by integrated plateletomics. <i>Blood</i> , 2014, 123, e37-e45.	1.4	199
29	Common variants in the human platelet PAR4 thrombin receptor alter platelet function and differ by race. <i>Blood</i> , 2014, 124, 3450-3458.	1.4	107
30	Identification of a Racially Dimorphic Variant in the Human Platelet PAR4 Thrombin Receptor Altering Platelet Function and Pharmacologic Inhibition. <i>Blood</i> , 2014, 124, 1434-1434.	1.4	11
31	Ground state electron affinities based on "Generation of negative ions from SF <sub>6</sub> gas by means of hot surface ionization": A. Pelc, <i>Rapid Commun. Mass Spectrom.</i> 2012, 26, 577-582. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 281-283.	1.5	1
32	Racial differences in human platelet PAR4 reactivity reflect expression of PCTP and miR-376c. <i>Nature Medicine</i> , 2013, 19, 1609-1616.	30.7	190
33	THE HYLLERAAS BINDING ENERGY OF HYDRIDE AND ELECTRON AFFINITIES. <i>Journal of Theoretical and Computational Chemistry</i> , 2013, 12, 1350016.	1.8	3
34	Racial Differences In Thrombin-Induced Human Platelet PAR4 Reactivity. <i>Blood</i> , 2013, 122, 1054-1054.	1.4	0
35	Effect Of Age and Gender On Human Platelet mRNA and Micro-RNA Levels. <i>Blood</i> , 2013, 122, 3518-3518.	1.4	0
36	Paradigms and paradoxes: what are the 54 electron affinities of O <sub>2</sub> ?. <i>Structural Chemistry</i> , 2012, 23, 407-410.	2.0	6

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37	A Large Cluster of Micrnas At 14q32 Defines an RNA Expression Module That Accounts for Racial Differences in Protease Activated Receptor 4-Mediated Platelet Reactivity. <i>Blood</i> , 2012, 120, 380-380.	1.4	1
38	HUND'S STRONG FIELD STATES OF SUPEROXIDE AND NO(-). <i>Journal of Theoretical and Computational Chemistry</i> , 2010, 09, 393-400.	1.8	7
39	Comment on "Ab initio molecular dynamics calculation of ion hydration free energies" [J. Chem. Phys. 130, 204507 (2009)]. <i>Journal of Chemical Physics</i> , 2010, 133, 047103.	3.0	5
40	The role of spin in biological processes: O <sub>2</sub> , NO, nucleobases, nucleosides, nucleotides and Watson-Crick base pairs. <i>Molecular Simulation</i> , 2009, 35, 719-724.	2.0	4
41	The Electron Affinities of Deprotonated Adenine, Guanine, Cytosine, Uracil, and Thymine. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2008, 27, 506-524.	1.1	13
42	Thermal electrons and Watson Crick AT(π). <i>Chemical Physics Letters</i> , 2007, 435, 331-335.	2.6	19
43	Experimental determination of spin-orbital coupling states of O <sub>2</sub> (π). <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006, 39, 2317-2333.	1.5	14
44	The negative ion states of c-C <sub>4</sub> F <sub>8</sub> . <i>Journal of Molecular Structure</i> , 2005, 737, 231-238.	3.6	7
45	Semiempirical Characterization of Homonuclear Diatomic Ions: 6. Group VI and VII Anions. <i>Journal of Physical Chemistry A</i> , 2003, 107, 169-177.	2.5	29
46	The electron affinities of NO and O <sub>2</sub> . <i>Journal of Molecular Structure</i> , 2002, 606, 1-7.	3.6	32
47	Electron-capture detector and multiple negative ions of aromatic hydrocarbons. <i>Journal of Chromatography A</i> , 2002, 952, 173-183.	3.7	13
48	Classification of organic molecules to obtain electron affinities from half wave reduction potentials: The aromatic hydrocarbons. <i>Journal of Chemical Physics</i> , 1999, 110, 9319-9329.	3.0	41
49	Experimental Determination of Rate Constants for Thermal Electron Attachment to Gaseous SF <sub>6</sub> and C <sub>7</sub> F <sub>14</sub> . <i>Journal of Chemical Physics</i> , 1968, 49, 1973-1974.	3.0	57
50	Determination of electron affinities of radicals and bond dissociation energies by electron-attachment studies at thermal energies--electron affinity of acetate radical. <i>The Journal of Physical Chemistry</i> , 1968, 72, 2671-2675.	2.9	16
51	Rigorous least-squares estimation of molecular complex equilibriums. I. Single intermolecular complex utilizing spectrophotometric data. <i>The Journal of Physical Chemistry</i> , 1967, 71, 218-231.	2.9	43
52	Experimental determination of the electron affinity of several aromatic aldehydes and ketones. <i>The Journal of Physical Chemistry</i> , 1967, 71, 1929-1931.	2.9	31
53	The Pulse-Sampling Technique for the Study of Electron-Attachment Phenomena. <i>The Journal of Physical Chemistry</i> , 1966, 70, 445-458.	2.9	191
54	Extension of Electron Affinities and Ionization Potentials of Aromatic Hydrocarbons. <i>Journal of Chemical Physics</i> , 1966, 45, 2403-2410.	3.0	149