Edward Chen

List of Publications by Year
in descending order

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	Human platelet microRNA-mRNA networks associated with age and gender revealed by integrated plateletomics. Blood, 2014, 123, e37-e45.	1.4	199
2	The Pulse-Sampling Technique for the Study of Electron-Attachment Phenomena. The Journal of Physical Chemistry, 1966, 70, 445-458.	2.9	191
3	Racial differences in human platelet PAR4 reactivity reflect expression of PCTP and miR-376c. Nature Medicine, 2013, 19, 1609-1616.	30.7	190
4	Extension of Electron Affinities and Ionization Potentials of Aromatic Hydrocarbons. Journal of Chemical Physics, 1966, 45, 2403-2410.	3.0	149
5	Common variants in the human platelet PAR4 thrombin receptor alter platelet function and differ by race. Blood, 2014, 124, 3450-3458.	1.4	107
6	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
7	Experimental Determination of Rate Constants for Thermal Electron Attachment to Gaseous SF6 and C7F14. Journal of Chemical Physics, 1968, 49, 1973-1974.	3.0	57
8	A clinical survey of mosaic single nucleotide variants in disease-causing genes detected by exome sequencing. Genome Medicine, 2019, 11, 48.	8.2	55
9	Rigorous least-squares estimation of molecular complex equilibriums. I. Single intermolecular complex utilizing spectrophotometric data. The Journal of Physical Chemistry, 1967, 71, 218-231.	2.9	43
10	Classification of organic molecules to obtain electron affinities from half wave reduction potentials: The aromatic hydrocarbons. Journal of Chemical Physics, 1999, 110, 9319-9329.	3.0	41
11	A visual and curatorial approach to clinical variant prioritization and disease gene discovery in genome-wide diagnostics. Genome Medicine, 2016, 8, 13.	8.2	37
12	The electron affinities of NO and O 2. Journal of Molecular Structure, 2002, 606, 1-7.	3.6	32
13	Experimental determination of the electron affinity of several aromatic aldehydes and ketones. The Journal of Physical Chemistry, 1967, 71, 1929-1931.	2.9	31
14	Semiempirical Characterization of Homonuclear Diatomic Ions:â€‰ 6. Group VI and VII Anions. Journal of Physical Chemistry A, 2003, 107, 169-177.	2.5	29
15	Integrative Multi-omic Analysis of Human Platelet eQTLs Reveals Alternative Start Site in Mitofusin 2. American Journal of Human Genetics, 2016, 98, 883-897.	6.2	27
16	Identification of a RAI1-associated disease network through integration of exome sequencing, transcriptomics, and 3D genomics. Genome Medicine, 2016, 8, 105.	8.2	20
17	Thermal electrons and Watson Crick AT(â^). Chemical Physics Letters, 2007, 435, 331-335.	2.6	19
18	Determination of electron affinities of radicals and bond dissociation energies by electron-attachment studies at thermal energies--electron affinity of acetate radical. The Journal of Physical Chemistry, 1968, 72, 2671-2675.	2.9	16

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19	Experimental determination of spinâ€“orbital coupling states of O2(âˆ). Journal of Physics B: Atomic, Molecular and Optical Physics, 2006, 39, 2317-2333.	1.5	14
20	Electron-capture detector and multiple negative ions of aromatic hydrocarbons. Journal of Chromatography A, 2002, 952, 173-183.	3.7	13
21	The Electron Affinities of Deprotonated Adenine, Guanine, Cytosine, Uracil, and Thymine. Nucleosides, Nucleotides and Nucleic Acids, 2008, 27, 506-524.	1.1	13
22	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
23	Identification of a Racially Dimorphic Variant in the Human Platelet PAR4 Thrombin Receptor Altering Platelet Function and Pharmacologic Inhibition. Blood, 2014, 124, 1434-1434.	1.4	11
24	Functionalization of CD36 cardiovascular disease and expression associated variants by interdisciplinary high throughput analysis. PLoS Genetics, 2019, 15, e1008287.	3.5	9
25	The negative ion states of c-C4F8. Journal of Molecular Structure, 2005, 737, 231-238.	3.6	7
26	HUND'S STRONG FIELD STATES OF SUPEROXIDE AND NO(-). Journal of Theoretical and Computational Chemistry, 2010, 09, 393-400.	1.8	7
27	Design tools for MPRA experiments. Bioinformatics, 2018, 34, 2682-2683.	4.1	7
28	Paradigms and paradoxes: what are the 54 electron affinities of O2?. Structural Chemistry, 2012, 23, 407-410.	2.0	6
29	Negative surface ionization electron affinities and activation energies of SF_n. Rapid Communications in Mass Spectrometry, 2014, 28, 527-535.	1.5	6
30	Comment on â€œAb initio molecular dynamics calculation of ion hydration free energiesâ€•[J. Chem. Phys. 130, 204507 (2009)]. Journal of Chemical Physics, 2010, 133, 047103.	3.0	5
31	Atmospheric pressure anion mass spectrometry: electron affinities and activation energies of thermal electron attachment â€“ perfluoromethylcyclohexane, C₇F₁₄. Rapid Communications in Mass Spectrometry, 2015, 29, 1165-1177.	1.5	5
32	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
33	Identification of the Regulatory Elements and Target Genes of Megakaryopoietic Transcription Factor MEF2C. Thrombosis and Haemostasis, 2019, 119, 716-725.	3.4	5
34	The role of spin in biological processes: O2, NO, nucleobases, nucleosides, nucleotides and Watsonâ€“Crick base pairs. Molecular Simulation, 2009, 35, 719-724.	2.0	4
35	Hyperfine electron affinities of molecular oxygen. Computational and Theoretical Chemistry, 2014, 1050, 89-95.	2.5	4
36	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

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37	THE HYLLERAAS BINDING ENERGY OF HYDRIDE AND ELECTRON AFFINITIES. Journal of Theoretical and Computational Chemistry, 2013, 12, 1350016.	1.8	3
38	NetComm: a network analysis tool based on communicability. Bioinformatics, 2014, 30, 3387-3389.	4.1	2
39	Hylleraas hydride binding energy: diatomic electron affinities. Journal of Molecular Modeling, 2015, 21, 79.	1.8	2
40	Ground state electron affinities based on " Generation of negative ions from SF₆ gas by means of hot surface ionization" : A. Pelc, Rapid Commun. Mass Spectrom. 2012, 26, 577â€“582. Rapid Communications in Mass Spectrometry, 2013, 27, 281-283.	1.5	1
41	Mass spectrometric determination of Morse parameters for the fifty-four superoxide states dissociating to the lowest limit. Rapid Communications in Mass Spectrometry, 2016, 30, 1384-1390.	1.5	1
42	Bayesian modelling of high-throughput sequencing assays with malacoda. PLoS Computational Biology, 2020, 16, e1007504.	3.2	1
43	A Large Cluster of Micrornas At 14q32 Defines an RNA Expression Module That Accounts for Racial Differences in Protease Activated Receptor 4-Mediated Platelet Reactivity. Blood, 2012, 120, 380-380.	1.4	1
44	Racial Differences In Thrombin-Induced Human Platelet PAR4 Reactivity. Blood, 2013, 122, 1054-1054.	1.4	0
45	Effect Of Age and Gender On Human Platelet mRNA and Micro-RNA Levels. Blood, 2013, 122, 3518-3518.	1.4	0
46	Identification of the Genetic Variant Responsible for Variable Platelet CD36 Expression By Massively Parallel Reporter Assay. Blood, 2018, 132, 520-520.	1.4	0
47	Bayesian modelling of high-throughput sequencing assays with malacoda. , 2020, 16, e1007504.		0
48	Bayesian modelling of high-throughput sequencing assays with malacoda. , 2020, 16, e1007504.		0
49	Bayesian modelling of high-throughput sequencing assays with malacoda. , 2020, 16, e1007504.		0
50	Bayesian modelling of high-throughput sequencing assays with malacoda. , 2020, 16, e1007504.		0
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