Jeffrey I Seeman

List of Publications by Year
in descending order

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91	2,544	304743 22	206112 48
papers	citations	h-index	g-index

95	95	95	2283
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Peer review experiences of academic chemists in Ph.D. granting institutions in the United States. Accountability in Research, 2023, 30, 63-76.	2.4	4
2	The Ways of Science Through the Lens of the Woodwardâ€Hoffmann Rules. The Stories Begin[[][]]**. Chemical Record, 2022, 22, .	5.8	6
3	Diverse Views in the Assignment of Credit for Research Discoveries. ACS Omega, 2022, 7, 1-4.	3.5	3
4	History of the Woodwardâ€Hoffmann Rules. The Noâ€Mechanism Puzzle**. Chemical Record, 2022, 22, e202100212.	5.8	5
5	My first and my latest publication. Journal of Physical Organic Chemistry, 2022, 35, .	1.9	2
6	Sleeping Beauties in Chemistry. Oosterhoff, Havinga and Schlatmann: Four Years Before â€œThe Woodwardâ€Hoffmann Rulesâ€•^{â€} **. Chemical Record, 2022, 22, e202100245.	5.8	4
7	Kenichi Fukui, Frontier Molecular Orbital Theory, and the Woodwardâ€Hoffmann Rules. Part I. The Person ^{â€} **. Chemical Record, 2022, 22, e202100297.	5.8	2
8	Kenichi Fukui, Frontier Molecular Orbital Theory, and the Woodwardâ€Hoffmann Rules. Part II. A Sleeping Beauty in Chemistry^{â€}**. Chemical Record, 2022, 22, e202100300.	5.8	5
9	Kenichi Fukui, Frontier Molecular Orbital Theory, and the Woodwardâ€Hoffmann Rules. Part III. Fukui's Science and Technology, 1918â€“1965^{â€}**. Chemical Record, 2022, 22, e202100302.	5.8	7
10	The Many Chemists Who Could Have Proposed the Woodwardâ€Hoffmann Rules (Including Roald) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22, e202200052.	5.8	3
11	The Many Chemists Who Could Have Proposed the Woodwardâ€Hoffmann Rules But Didn't: The Organic Chemists WhoÂDiscovered the Smoking Guns[[][]]**. Chemical Record, 2022, 22, .	5.8	4
12	â€œFor Its Size, the Most Complex Natural Product Known.â€•Who Deserves Credit for Determining the Structure of Strychnine?. ACS Central Science, 2022, 8, 672-681.	11.3	3
13	Percy Lavon Julian: A man who rose to every occasion. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	3
14	Die Evolution des Dielsâ€Alderâ€Reaktionsmechanismus seit den 1930er Jahren: Woodward, Houk zusammen mit Woodward und der Einfluss der Computerchemie auf das VerstÂndnis von Cycloadditionen. Angewandte Chemie, 2021, 133, 12768-12790.	2.0	15
15	Evolution of the Dielsâ€“Alder Reaction Mechanism since the 1930s: Woodward, Houk with Woodward, and the Influence of Computational Chemistry on Understanding Cycloadditions. Angewandte Chemie - International Edition, 2021, 60, 12660-12681.	13.8	85
16	On the Structural Assignments Underlying R.â€…B. Woodward's Most Personal Data That Led to the Woodwardâ€“Hoffmann Rules: Subramania Ranganathan's Key Role and Related Research by E.â€…J. Corey and A.â€…G. Hortmann. Chemistry - A European Journal, 2021, 27, 7000-7016.	3.3	7
17	The Relationship of William Henry Perkin, Jr. and Sir Robert Robinson: Teacher and Student, then Student and Teacher. Chemistry - A European Journal, 2021, 27, 1576-1591.	3.3	8
18	The Mutation of the â€œNobel Prize in Chemistryâ€•into the â€œNobel Prize in Chemistry or Life Sciencesâ€•: Several Decades of Transparent and Opaque Evidence of Change within the Nobel Prize Program. Angewandte Chemie, 2020, 132, 2962-2981.	2.0	6

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19	The Mutation of the â€œNobel Prize in Chemistryâ€•into the â€œNobel Prize in Chemistry or Life Sciencesâ€: Several Decades of Transparent and Opaque Evidence of Change within the Nobel Prize Program. Angewandte Chemie - International Edition, 2020, 59, 2942-2961.	13.8	11
20	Rolf Huisgen, Eminent Chemist and Polymath (1920â€“2020): In His Own Words and In His Publication Metrics. Angewandte Chemie, 2020, 132, 12346-12362.	2.0	2
21	Rolf Huisgen's Classic Studies of Cyclic Triene Dielsâ€“Alder Reactions Elaborated by Modern Computational Analysis. Angewandte Chemie - International Edition, 2020, 59, 12506-12519.	13.8	13
22	Rolf Huisgen's Classic Studies of Cyclic Triene Dielsâ€“Alder Reactions Elaborated by Modern Computational Analysis. Angewandte Chemie, 2020, 132, 12606-12619.	2.0	1
23	Rolf Huisgen, Eminent Chemist and Polymath (1920â€“2020): In His Own Words and In His Publication Metrics. Angewandte Chemie - International Edition, 2020, 59, 12250-12266.	13.8	10
24	From Decades to Minutes: Steps Toward the Structure of Strychnine 1910â€“1948 and the Application of Today's Technology. Angewandte Chemie, 2020, 132, 10790-10809.	2.0	4
25	From Decades to Minutes: Steps Toward the Structure of Strychnine 1910â€“1948 and the Application of Today's Technology. Angewandte Chemie - International Edition, 2020, 59, 10702-10721.	13.8	14
26	Working with Sir Derek H. R. Barton. â€œChemistry, through Chemistry and For Chemistryâ€• Tetrahedron, 2019, 75, 57-69.	1.9	1
27	Peer Review ofMendeleevâ€™s 1869 Breakthrough Paper: â€˜I Suggest Eliminating the Tableâ€¦â€™. Helvetica Chimica Acta, 2019, 102, e1800177.	1.6	3
28	From â€œmultiple simultaneous independent discoveriesâ€•to the theory of â€œmultiple simultaneous independent errorsâ€• a conduit in science. Foundations of Chemistry, 2018, 20, 219-249.	1.1	7
29	Moving beyond insularity in the history, philosophy, and sociology of chemistry. Foundations of Chemistry, 2018, 20, 75-86.	1.1	6
30	John D. Roberts, a tenacious yet benevolent role model and an uncelebrated historian of chemistry. Journal of Physical Organic Chemistry, 2018, 31, e3825.	1.9	1
31	On the Relationship between Classical Structure Determination and Retrosynthetic Analysis/Total Synthesis^{â€}. Israel Journal of Chemistry, 2018, 58, 28-44.	2.3	15
32	Second-Guessing the Nobel Prize Committee for Chemistry. ACS Symposium Series, 2017, , 9-29.	0.5	2
33	R. B. Woodward's Letters: Revealing, Elegant and Commanding. Helvetica Chimica Acta, 2017, 100, e1700183.	1.6	8
34	Synthesis and the Nobel Prize in Chemistry. Nature Chemistry, 2017, 9, 925-929.	13.6	12
35	Happy 90th birthday, Jerry Meinwald. Chemoecology, 2017, 27, 49-50.	1.1	0
36	R.â€…B. Woodward: A Largerâ€thanâ€Life Chemistry Rock Star. Angewandte Chemie - International Edition, 2017, 56, 10228-10245.	13.8	15

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37	R.â€¦B. Woodward: A Largerâ€thanâ€Life Chemistry Rock Star. Angewandte Chemie, 2017, 129, 10362-10379.	2.0	5
38	A Model To Estimate the Sources of Tobacco-Specific Nitrosamines in Cigarette Smoke. Chemical Research in Toxicology, 2017, 30, 1556-1561.	3.3	7
39	Ernest L. Eliel as â€œHidden Advisorâ€• ACS Symposium Series, 2017, , 13-47.	0.5	0
40	Hero Worship in Words: Imitating the Grand Style of R. B. Woodward. Chemistry International, 2017, 39, .	0.3	4
41	Taking IUPAC Literally: Woodwardâ€™s Pure and Applied Chemistry Words. Chemistry International, 2017, 39, .	0.3	6
42	Woodward's Words: Elegant and Commanding. Angewandte Chemie, 2016, 128, 13090-13104.	2.0	13
43	Woodward's Words: Elegant and Commanding. Angewandte Chemie - International Edition, 2016, 55, 12898-12912.	13.8	24
44	Gary H. Posner: Professor, Scientist, Colleague, Role Model, and Friend. Tetrahedron, 2016, 72, 5950-5955.	1.9	0
45	Wrong but seminal. Nature Chemistry, 2016, 8, 193-200.	13.6	32
46	To Our Friend and Colleague Koji Nakanishi: â€œHappy 90thBirthdayâ€• Chemical Record, 2015, 15, 653-658.	5.8	0
47	The <scp>N</scp>ozoe <scp>A</scp>utograph <scp>B</scp>ooks: â€œIt Ain't Over â€˜Til It's Overâ€• Chemical Record, 2015, 15, 412-418.	5.8	4
48	The <scp>N</scp>ozoe Autograph Books Project: An Assessment. Chemical Record, 2015, 15, 1165-1174.	5.8	2
49	Johnâ€…D. Roberts: In His Own Words and Those of His Friends. Angewandte Chemie - International Edition, 2015, 54, 15901-15913.	13.8	10
50	Johnâ€…D. Roberts: In His Own Words and Those of His Friends. Angewandte Chemie, 2015, 127, 16132-16144.	2.0	6
51	Taking IUPAC Literally: An International Union of Pure and Applied Chemistry. Chemistry International, 2015, 37, .	0.3	0
52	Ethics and Responsible Conduct of Research within the Chemical Community. Ideas and Experiences Worth Sharing. Accountability in Research, 2015, 22, 303-306.	2.4	1
53	Woodwardâ€“Hoffmannâ€™s Stereochemistry of Electrocyclic Reactions: From Day 1 to the JACS Receipt Date (May 5, 1964 to November 30, 1964). Journal of Organic Chemistry, 2015, 80, 11632-11671.	3.2	31
54	<scp>T</scp>etsuo <scp>N</scp>ozoe's Autograph Books: Poems, Puzzles and Playfulness. Chemical Record, 2015, 15, 383-411.	5.8	3

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55	Authorship Issues and Conflict in the U.S. Academic Chemical Community. Accountability in Research, 2015, 22, 346-383.	2.4	23
56	Carl Djerassi: In His Own Words. Angewandte Chemie - International Edition, 2014, 53, 3268-3279.	13.8	14
57	R. B. Woodward, A Great Physical Organic Chemist. Journal of Physical Organic Chemistry, 2014, 27, 708-721.	1.9	23
58	Tetsuo Nozoe: The World Traveler, On a Determined Trajectory. Chemical Record, 2014, 14, 1152-1173.	5.8	5
59	The Nozoe Autograph Books: Stories behind the Stories. Chemical Record, 2013, 13, 483-514.	5.8	11
60	Having Fun with The <scp>N</scp>ozoe Autograph Books. A Bit of Exploration and an Unexpected Learning Experience. Chemical Record, 2013, 13, 146-160.	5.8	12
61	Bonding Beyond Borders: The Nozoe Autograph Books and Other Collections. Chemical Record, 2012, 12, 517-531.	5.8	21
62	The Nozoe Autograph Books: Instructions for Data Entry Website. Chemical Record, 2012, 12, 532-535.	5.8	6
63	Scientific assessment of the use of sugars as cigarette tobacco ingredients: A review of published and other publicly available studies. Critical Reviews in Toxicology, 2012, 42, 244-278.	3.9	53
64	Estate Planning. Chemical & Engineering News, 2012, 90, 3.	0.1	2
65	Gilbert Stork: In His Own Words and in the Musings of His Friends. Angewandte Chemie - International Edition, 2012, 51, 3012-3023.	13.8	23
66	Influences on Authorship Issues: An Evaluation of Receiving, Not Receiving, and Rejecting Credit. Accountability in Research, 2010, 17, 176-197.	2.4	53
67	Influences on Authorship Issues: An Evaluation of Giving Credit. Accountability in Research, 2010, 17, 146-169.	2.4	24
68	Credit and Authorship Practices: Educational and Environmental Influences. Accountability in Research, 2010, 17, 223-256.	2.4	27
69	The possible role of ammonia toxicity on the exposure, deposition, retention, and the bioavailability of nicotine during smoking. Food and Chemical Toxicology, 2008, 46, 1863-1881.	3.6	32
70	Possible Role of Ammonia on the Deposition, Retention, and Absorption of Nicotine in Humans while Smokingâ€. Chemical Research in Toxicology, 2007, 20, 326-343.	3.3	25
71	The Woodwardâ€“Doering/Rabeâ€“Kindler Total Synthesis of Quinine: Setting the Record Straight. Angewandte Chemie - International Edition, 2007, 46, 1378-1413.	13.8	90
72	The role of ammonia in the transfer of nicotine from tobacco to mainstream smoke. Regulatory Toxicology and Pharmacology, 2006, 46, 1-17.	2.7	17

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73	Using "Basic Principles" To Understand Complex Science: Nicotine Smoke Chemistry and Literature Analogies. Journal of Chemical Education, 2005, 82, 1577.	2.3	11
74	On the role of peptides in the pyrolysis of amino acids. Journal of Analytical and Applied Pyrolysis, 2004, 72, 153-163.	5.5	71
75	On the Deposition of Volatiles and Semivolatiles from Cigarette Smoke Aerosols:â€‰ Relative Rates of Transfer of Nicotine and Ammonia from Particles to the Gas Phase. Chemical Research in Toxicology, 2004, 17, 1020-1037.	3.3	26
76	Observation and Characterization of Cellulose Pyrolysis Intermediates by13C CPMAS NMR. A New Mechanistic Model. Energy & Fuels, 2004, 18, 1-15.	5.1	126
77	Formation of low molecular weight heterocycles and polycyclic aromatic compounds (PACs) in the pyrolysis of Î±-amino acids. Journal of Analytical and Applied Pyrolysis, 2003, 66, 97-121.	5.5	109
78	Evaluation of Relationships Between Mainstream Smoke Acetaldehyde and "Tar" and Carbon Monoxide Yields in Tobacco Smoke and Reducing Sugars in Tobacco Blends of U.S. Commercial Cigarettes. Inhalation Toxicology, 2003, 15, 373-395.	1.6	30
79	Acetaldehyde in Mainstream Tobacco Smoke:Â Formation and Occurrence in Smoke and Bioavailability in the Smoker. Chemical Research in Toxicology, 2002, 15, 1331-1350.	3.3	111
80	Ernest L. Eliel: A life of purpose, determination, and integrity. Chirality, 2002, 14, 98-109.	2.6	4
81	Thermal Pathways for the Transfer of Amines, Including Nicotine, to the Gas Phase and Aerosols. Heterocycles, 2001, 55, 59.	0.7	15
82	The Form of Nicotine in Tobacco. Thermal Transfer of Nicotine and Nicotine Acid Salts to Nicotine in the Gas Phaseâ€. Journal of Agricultural and Food Chemistry, 1999, 47, 5133-5145.	5.2	63
83	Recent Studies in Nicotine Chemistry. Conformational Analysis, Chemical Reactivity Studies, and Theoretical Modeling. Heterocycles, 1984, 22, 165.	0.7	33
84	Effect of conformational change on reactivity in organic chemistry. Evaluations, applications, and extensions of Curtin-Hammett Winstein-Holness kinetics. Chemical Reviews, 1983, 83, 83-134.	47.7	856
85	Uses and analyses of curtin-hammett/winstein-holness systems involving second order reactions. Tetrahedron, 1980, 36, 1173-1177.	1.9	8
86	Steric effects on conformationally mobile systems. The iodomethylation of 1-methyl-2-arylpyrrolidines related to nicotine. Journal of the American Chemical Society, 1980, 102, 7741-7747.	13.7	27
87	Analytical solution to the Curtin-Hammett/Winstein-Holness kinetic system. Journal of Organic Chemistry, 1978, 43, 1854-1864.	3.2	33
88	The iodomethylation of nicotine. An unusual example of competitive nitrogen alkylation. Journal of Organic Chemistry, 1976, 41, 3824-3826.	3.2	41
89	Photochemical rearrangement of an acyclic .beta.,.gamma.-unsaturated ketone to a conjugated cyclopropyl ketone. An oxa-di-.pi.-methane rearrangement. Journal of the American Chemical Society, 1970, 92, 1786-1787.	13.7	51
90	Stories and Stories-Behind-the Stories of the Woodward-Hoffmann Rules. ChemistryViews, 0, , .	0.0	0

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91	An Iraqi by Birth, an Israeli in Body, a Soul without Borders. Sason Shaik in His Own Words**. Israel Journal of Chemistry, 0, , .	2.3	1