

Ehud Keinan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

96
papers

1,858
citations

23
h-index

42
g-index

127
ext. papers

2,084
ext. citations

7
avg, IF

4.48
L-index

#	Paper	IF	Citations
96	The 85th Annual Meeting of the Israel Chemical Society: February 18-19, 2020, The International Convention Center, Jerusalem, Israel. <i>Israel Journal of Chemistry</i> , 2020 , 60, 1077-1104	3.4	
95	The 2nd Bowei Research Conference, January 3-5, 2020, Shangrila Dongshan River Boutique Hotel, Yilan, Taiwan. <i>Israel Journal of Chemistry</i> , 2020 , 60, 160-172	3.4	
94	Catalytic Formation of C-N Bonds: ICS Symposium Honoring Wolf Prize Laureates Stephen L. Buchwald and John F. Hartwig: May 29, 2019, Technion-Israel Institute of Technology, Haifa, Israel. <i>Israel Journal of Chemistry</i> , 2020 , 60, 490-500	3.4	
93	Equatorial Sulfur Atoms in Bambusurils Spawn Cavity Collapse. <i>Organic Letters</i> , 2020 , 22, 204-208	6.2	3
92	Flat corannulene: when a transition state becomes a stable molecule. <i>Chemical Science</i> , 2020 , 11, 13015-13025	13.25	5
91	The 18th Asian Chemical Congress and the 20th General Assembly of the Federation of Asian Chemical Societies (FACS): December 8-12, 2019, Taipei International Convention Center, Taiwan. <i>Israel Journal of Chemistry</i> , 2020 , 60, 907-934	3.4	0
90	Joel Bernstein (1941-2019). <i>Angewandte Chemie</i> , 2019 , 131, 3726-3726	3.6	
89	The 84th Annual Meeting of the Israel Chemical Society: February 12-13, 2019, David Intercontinental Hotel, Tel-Aviv, Israel. <i>Israel Journal of Chemistry</i> , 2019 , 59, 106-125	3.4	
88	Joel Bernstein (1941-2019). <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 3688	16.4	
87	Chemical mimicry of viral capsid self-assembly via corannulene-based pentatopic tectons. <i>Nature Communications</i> , 2019 , 10, 3443	17.4	17
86	Intramolecular van der Waals Interactions Challenge Anion Binding in perthio-Bambusurils. <i>Chemistry - A European Journal</i> , 2019 , 25, 13336-13343	4.8	6
85	Joel Bernstein (1941-2019). <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2019 , 75, 113-114	1.8	
84	Hetero-Bambusurils. <i>Israel Journal of Chemistry</i> , 2018 , 58, 449-460	3.4	14
83	The 5th International Conference on Cucurbiturils (ICCB 2017), June 27-30 2017, Hotel Continental, Brno, Czech Republic. <i>Israel Journal of Chemistry</i> , 2018 , 58, 493-507	3.4	
82	Chemistry for our Future: The 6th Angewandte Symposium, February 15, 2017, Dan Panorama Hotel, Tel-Aviv, Israel. <i>Israel Journal of Chemistry</i> , 2018 , 58, 176-184	3.4	0
81	Synthetic Evolution of the Multifarene Cavity from Planar Predecessors. <i>Chemistry - A European Journal</i> , 2018 , 24, 15319-15328	4.8	2
80	The 82nd Annual Meeting of the Israel Chemical Society, February 13-14, 2017, David Intercontinental Hotel, Tel-Aviv, Israel. <i>Israel Journal of Chemistry</i> , 2018 , 58, 151-175	3.4	1

79	Metal-Directed Assembly and Metal-Organic Frameworks: ICS Symposium Honoring Wolf Prize Laureates Makoto Fujita and Omar M. Yaghi, May 30, 2018, Technion Israel Institute of Technology, Haifa, Israel. <i>Israel Journal of Chemistry</i> , 2018 , 58, 1171-1184	3.4	0
78	The 53rd Bogenstock Conference, Brunnen, Switzerland, April 29-May 3, 2018. <i>Israel Journal of Chemistry</i> , 2018 , 58, 795-808	3.4	
77	Semithiobambusuril is a transmembrane anion transporter. <i>Chemical Communications</i> , 2017 , 53, 7557-7560	3.8	19
76	Attractive Interactions between Heteroallenes and the Cucurbituril Portal. <i>Journal of the American Chemical Society</i> , 2017 , 139, 8138-8145	16.4	16
75	Organometallics and C-H Activation: ICS Symposium Honoring Wolf Prize Laureate Robert G. Bergman, June 8, 2017, Technion Israel Institute of Technology, Haifa, Israel. <i>Israel Journal of Chemistry</i> , 2017 , 57, 1053-1066	3.4	1
74	Conference Report: Chemical Synthesis and Drug Discovery: ICS Symposium Honoring Wolf Prize Laureates K. C. Nicolaou and Stuart L. Schreiber, June 1, 2016, Technion Israel Institute of Technology, Haifa, Israel. <i>Israel Journal of Chemistry</i> , 2017 , 57, 340-352	3.4	1
73	Enhanced anion binding by heteroatom replacement in bambusurils. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 13180-5	3.6	15
72	Aza-Bambusurils En Route to Anion Transporters. <i>Chemistry - A European Journal</i> , 2016 , 22, 8848-54	4.8	21
71	The 81st Annual Meeting of the Israel Chemical Society and Exhibition. <i>Israel Journal of Chemistry</i> , 2016 , 56, 341-364	3.4	
70	Framework Agreement for Collaboration between the Chemical Societies of Spain and Israel, Expoquimia, October 2, 2014, Barcelona. <i>Israel Journal of Chemistry</i> , 2015 , 55, 114-123	3.4	1
69	Prophylactic treatment of asthma by an ozone scavenger in a mouse model. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015 , 25, 342-6	2.9	13
68	Effective Area. <i>Smart Science</i> , 2015 , 3, 139-141	1.5	1
67	The 80th Annual Meeting of the Israel Chemical Society and Exhibition. <i>Israel Journal of Chemistry</i> , 2015 , 55, 1123-1143	3.4	
66	A 50-Year Long Lesson. <i>Israel Journal of Chemistry</i> , 2015 , 55, 1154-1155	3.4	2
65	WHERE WAS THE CITY OF EPHRAIM?. <i>Palestine Exploration Quarterly</i> , 2015 , 147, 220-229	0.3	1
64	Dual-functional semithiobambusurils. <i>Chemistry - A European Journal</i> , 2015 , 21, 536-40	4.8	50
63	The Synthetic Challenge of Thioglycolurils. <i>European Journal of Organic Chemistry</i> , 2014 , 2014, 933-940	3.2	17
62	Multifarenes: new modular cavitands. <i>Chemical Communications</i> , 2014 , 50, 2494-7	5.8	24

61	The 79th Annual Meeting of the Israel Chemical Society & Exhibition: February 4 ^B , 2014, Dan Panorama Hotel, Tel Aviv, Israel. <i>Israel Journal of Chemistry</i> , 2014 , 54, 395-412	3.4	1
60	The 49th EuCheMS Conference on Stereochemistry (B \ddot{u} rgenstock Conference), Brunnen, Switzerland, May 4 ^B , 2014. <i>Israel Journal of Chemistry</i> , 2014 , 54, 1015-1026	3.4	0
59	Chemisorbed monolayers of corannulene penta-thioethers on gold. <i>Langmuir</i> , 2013 , 29, 2217-23	4	22
58	Gloomy forecast for the prophets of apocalypse and bright forecast for chemists. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 2667-72	16.4	3
57	The 4th EuCheMS Chemistry Congress (4ECC), Prague, Czech Republic, August 26 ^{B0} , 2012. <i>Israel Journal of Chemistry</i> , 2013 , 53, 12-29	3.4	
56	D \ddot{u} stere Prognose f \ddot{u} die Propheten der Apokalypse D \ddot{u} heitere Prognose f \ddot{u} Chemiker. <i>Angewandte Chemie</i> , 2013 , 125, 2730-2735	3.6	2
55	Biomolecular Finite Automata 2012 , 145-179		
54	Deca-heterosubstituted corannulenes. <i>Chemical Communications</i> , 2012 , 48, 5425-7	5.8	14
53	A Molecular Cryptosystem for Images by DNA Computing. <i>Angewandte Chemie</i> , 2012 , 124, 2937-2941	3.6	9
52	A molecular cryptosystem for images by DNA computing. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 2883-7	16.4	24
51	Bistable cucurbituril rotaxanes without stoppers. <i>Chemistry - A European Journal</i> , 2012 , 18, 5589-605	4.8	33
50	Biologically Relevant Molecular Finite Automata. <i>Israel Journal of Chemistry</i> , 2011 , 51, 67-86	3.4	7
49	Applicable Properties of Cucurbiturils. <i>Israel Journal of Chemistry</i> , 2011 , 51, 646-663	3.4	56
48	Molecular computing with plant cell phenotype serving as quality controlled output. <i>Molecular BioSystems</i> , 2011 , 7, 1113-20		4
47	Israel Journal of Chemistry: Its First 60 Years. <i>Israel Journal of Chemistry</i> , 2010 , 50, 8-14	3.4	2
46	The 75th Annual Meeting of the Israel Chemical Society, Tel Aviv, David Intercontinental Hotel, January 25 ^{B6} , 2010. <i>Israel Journal of Chemistry</i> , 2010 , 50, 255-261	3.4	
45	Switchable cucurbituril-bipyridine beacons. <i>Chemistry - A European Journal</i> , 2010 , 16, 9056-67	4.8	28
44	Traceless Ligation of Cysteine Peptides Using Selective Deselenization. <i>Angewandte Chemie</i> , 2010 , 122, 7203-7207	3.6	32

43	Encoding and processing of alphanumeric information by chemical mixtures. <i>ChemPhysChem</i> , 2009 , 10, 3303-9	3.2	15
42	Diverse functionalization of corannulene: easy access to pentagonal superstructure. <i>Organic Letters</i> , 2009 , 11, 1063-6	6.2	52
41	Corannulene ethers via Ullmann condensation. <i>Organic Letters</i> , 2009 , 11, 5146-9	6.2	9
40	Repulsive interaction can be a key design element of molecular rotary motors. <i>Journal of Organic Chemistry</i> , 2008 , 73, 8772-9	4.2	23
39	A programmable biomolecular computing machine with bacterial phenotype output. <i>ChemBioChem</i> , 2007 , 8, 1255-60	3.8	17
38	Chemical mimicry of viral capsid self-assembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 20731-6	11.5	92
37	Herbicide-resistance conferred by expression of a catalytic antibody in <i>Arabidopsis thaliana</i> . <i>Nature Biotechnology</i> , 2006 , 24, 713-7	44.5	9
36	Parallel biomolecular computation on surfaces with advanced finite automata. <i>Journal of the American Chemical Society</i> , 2005 , 127, 3935-43	16.4	47
35	Natural Catalytic Antibodies [Abzymes 2005 , 505-569		24
34	Theoretical Studies of Antibody Catalysis 2005 , 72-117		1
33	Selectivity with Catalytic Antibodies [What Can Be Achieved? 2005 , 370-417		1
32	Critical Analysis of Antibody Catalysis 2005 , 30-71		
31	Immunological Evolution of Catalysis 2005 , 1-29		36
30	Structure and Function of Catalytic Antibodies 2005 , 153-183		
29	Polyclonal Catalytic Antibodies 2005 , 470-490		
28	Medicinal Potential of Catalytic Antibodies 2005 , 284-303		1
27	Reactive Immunization: A Unique Approach to Aldolase Antibodies 2005 , 304-335		1
26	Catalytic Antibodies as Mechanistic and Structural Models of Hydrolytic Enzymes 2005 , 418-453		1

25	Screening Methods for Catalytic Antibodies 2005 , 217-242		
24	Natural ozone scavenger prevents asthma in sensitized rats. <i>Bioorganic and Medicinal Chemistry</i> , 2005 , 13, 557-62	3.4	43
23	The Enterprise of Catalytic Antibodies: A Historical Perspective 2005 , 118-131		
22	The Antibody-Catalyzed Water Oxidation Pathway 2005 , 336-349		
21	Transition State Analogs – Archetype Antigens for Catalytic Antibody Generation 2005 , 454-469		
20	Antibody Catalysis of Disfavored Chemical Reactions 2005 , 184-216		1
19	Facile purification of rare cucurbiturils by affinity chromatography. <i>Organic Letters</i> , 2004 , 6, 1225-8	6.2	69
18	Oxidative polycyclizations with rhenium(VII) oxides. <i>Pure and Applied Chemistry</i> , 2002 , 74, 93-105	2.1	38
17	Programmable and autonomous computing machine made of biomolecules. <i>Nature</i> , 2001 , 414, 430-4	50.4	555
16	Total Synthesis of Trilobin. <i>Journal of Organic Chemistry</i> , 1999 , 64, 2381-2386	4.2	29
15	Total Synthesis of Goniocin and Cyclogoniocin T. Unique Biosynthetic Implications. <i>Journal of the American Chemical Society</i> , 1998 , 120, 4017-4018	16.4	30
14	An Efficient Sol-Gel Reactor for Antibody-Catalyzed Transformations. <i>Chemistry of Materials</i> , 1997 , 9, 2258-2260	9.6	57
13	Tandem Oxidative Cyclization with Rhenium Oxide. Total Synthesis of 17,18-bisepi-Goniocin. <i>Journal of the American Chemical Society</i> , 1997 , 119, 12014-12015	16.4	55
12	The First Decade of Antibody Catalysis: Perspective and Prospects. <i>Israel Journal of Chemistry</i> , 1996 , 36, 113-119	3.4	19
11	Katalytische Antikörper als Sonden für die Evolution von Enzymen: Modellierung einer frühen Glycosidase. <i>Angewandte Chemie</i> , 1996 , 108, 2800-2802	3.6	
10	Catalytic Antibodies as Probes of Evolution: Modeling of a Primordial Glycosidase. <i>Angewandte Chemie International Edition in English</i> , 1996 , 35, 2628-2630		12
9	Using antibodies to perturb the coordination sphere of a transition metal complex. <i>Nature</i> , 1996 , 382, 339-41	50.4	24
8	Epimultistriatin: The First Total Synthesis of a Natural Product via Antibody Catalysis. <i>Israel Journal of Chemistry</i> , 1996 , 36, 185-193	3.4	2

- 7 Antibody catalysis of a reaction otherwise strongly disfavoured in water. *Nature*, **1995**, 374, 143-6 50.4 37
- 6 Stereospecificity of hydrogen transfer by the NADP-linked alcohol dehydrogenase from the thermophilic bacterium *Thermoanaerobium brockii*. *International Journal of Peptide and Protein Research*, **1993**, 42, 490-5 20
- 5 Trisubstituted decacyclene derivatives: Bridging the gap between the carbonaceous mesophase and discotic liquid crystals. *Advanced Materials*, **1991**, 3, 251-254 24 21
- 4 Stereochemical Control in Palladium-catalyzed Allylic Etherification. *Israel Journal of Chemistry*, **1990**, 30, 305-313 3.4 8
- 3 Thermostable Enzymes in Organic Synthesis, 4. Tbadh-Catalyzed Preparation of Bifunctional Chirons. Total Synthesis of S-(+)-Z-Tetradec-5-En-13-Olide. *Biocatalysis*, **1990**, 3, 57-71 31
- 2 Palladium-Catalyzed 1,4-Reduction (Conjugate Reduction)2767-2782 6
- 1 Reduction of α,β -Unsaturated carbonyl compounds923-1022