

# Israel Agranat

## List of Publications by Year in descending order

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84  
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citing authors

#	ARTICLE	IF	CITATIONS
1	Conformational Space and Dynamic Stereochemistry of Overcrowded Homomeric Bistricyclic Aromatic Enes – A Theoretical Study. <i>European Journal of Organic Chemistry</i> , 2001, 2001, 15-34.	2.4	88
2	Polymorphism Versus Thermochromism: Interrelation of Color and Conformation in Overcrowded Bistricyclic Aromatic Enes. <i>Chemistry - A European Journal</i> , 2006, 12, 3345-3354.	3.3	73
3	The predicted demise of racemic new molecular entities is an exaggeration. <i>Nature Reviews Drug Discovery</i> , 2012, 11, 972-973.	46.4	62
4	Dynamic stereochemistry and steric effects in overcrowded ethylenes. Conformational behavior of dixanthylenes. <i>Journal of the American Chemical Society</i> , 1979, 101, 665-671.	13.7	55
5	Dynamic stereochemistry in overcrowded ethylenes. Conformational behavior of bianthrone. <i>Journal of Organic Chemistry</i> , 1979, 44, 1941-1948.	3.2	52
6	The strategy of enantiomer patents of drugs. <i>Drug Discovery Today</i> , 2010, 15, 163-170.	6.4	49
7	Dual Influence of H-Bonding on the Solid-State Second-Harmonic Generation of a Chiral Quinonoid Compound. <i>Chemistry of Materials</i> , 1998, 10, 2371-2377.	6.7	47
8	Cyclic Conjugation Effects in Cyclacenes. <i>Polycyclic Aromatic Compounds</i> , 1996, 8, 189-202.	2.6	45
9	Thermochromism at Room Temperature in Overcrowded Bistricyclic Aromatic Enes: Closely Populated Twisted and Folded Conformations. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 5198-5211.	2.4	37
10	Incursion of reversibility in Friedel-Crafts acylations. <i>Journal of the American Chemical Society</i> , 1974, 96, 1259-1260.	13.7	35
11	Steric effects in fast thermal Z,E isomerization of overcrowded ethylenes. Conformational behavior of N,N'-dimethylbiacridans. <i>Journal of the American Chemical Society</i> , 1978, 100, 5604-5609.	13.7	35
12	Facile Aromatization Reactions of Overcrowded Polycyclic Aromatic Enes Leading to Fullerene Fragments. <i>Journal of Organic Chemistry</i> , 1997, 62, 2285-2287.	3.2	34
13	Measures of pyramidalization. <i>Structural Chemistry</i> , 1991, 2, 107-115.	2.0	32
14	Stereochemistry of selenium- and tellurium-bridged heteromeric bistricyclic aromatic enes. The fluorenylidenechalcoxanthene series. <i>Perkin Transactions II RSC</i> , 2001, , 2329-2341.	1.1	31
15	Chiral switches of chloroquine and hydroxychloroquine: potential drugs to treat COVID-19. <i>Drug Discovery Today</i> , 2020, 25, 1121-1123.	6.4	30
16	Thermochromism of overcrowded bistricyclic aromatic enes (BAEs). A theoretical study. <i>Chemical Communications</i> , 2001, , 954-955.	4.1	28
17	Interplay of Twisting and Folding in Overcrowded Heteromeric Bistricyclic Aromatic Enes. <i>Organic Letters</i> , 2000, 2, 1811-1814.	4.6	27
18	Aspects of chirality in overcrowded bistricyclic enes. <i>Chirality</i> , 1995, 7, 199-205.	2.6	25

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19	Fulvenes and thermochromic ethylenes. part 35 The N.M.R. spectrum and the spatial structure of dibiphenylene. Tetrahedron Letters, 1965, 6, 1265-1269.	1.4	24
20	Remarkable reversibility in aromatic Friedel-Crafts acylations. Para and ortho acyl rearrangements of fluorofluorenes in polyphosphoric acid. Journal of the American Chemical Society, 1977, 99, 7068-7070.	13.7	24
21	Molecular and crystal structures of a class of push-pull quinonoid compounds with potential nonlinear optical applications. Structural Chemistry, 1996, 7, 225-232.	2.0	22
22	Large PAHs by Reductive Dimerization of Phenalenones. Organic Letters, 1999, 1, 1387-1390.	4.6	22
23	Selenium- and tellurium-bridged overcrowded homomeric bistricyclic aromatic enes. Perkin Transactions II RSC, 2000, , 725-735.	1.1	22
24	The Effects of Fluorine and Chlorine Substituents across the Fjords of Bifluorenylidene: Overcrowding and Stereochemistry. European Journal of Organic Chemistry, 2006, 2006, 5059-5068.	2.4	21
25	Peterson Olefination: Unexpected Rearrangement in the Overcrowded Polycyclic Aromatic Ene Series. European Journal of Organic Chemistry, 2011, 2011, 6773-6780.	2.4	19
26	Regioselectivity in the Controversial Scholl Reaction of 1-Benzoylpyrene: Formation of a Five-Member Ring Is Not Unexpected. Journal of Organic Chemistry, 2016, 81, 11389-11393.	3.2	19
27	Pathways for thermal z,e isomerization in tetrabenzopentafulvalenes: Transition-state stabilization combined with ground-state destabilization. Tetrahedron Letters, 1974, 15, 1241-1244.	1.4	18
28	Selenium and Tellurium Tricyclics. Conformational Effects on <sup>77</sup> Se and <sup>125</sup> Te NMR Spectra. Phosphorus, Sulfur and Silicon and the Related Elements, 1998, 136, 139-142.	1.6	18
29	Overcrowded polycyclic aromatic enes. Advances in Theoretically Interesting Molecules, 1998, , 245-322.	0.5	18
30	Overcrowded twisted bi-4H-cyclopenta[def]-phenanthren-4-ylidene versus bi-9H-fluorenylidene, syn pyramidalization. Structural Chemistry, 1990, 1, 123-126.	2.0	17
31	DOUBLE FJORD MOTIF IN OVERCROWDED LARGE POLYCYCLIC AROMATIC HYDROCARBONS: THE CONFORMATIONAL SPACE OF HEXABENZO[ <i>a</i> , <i>c</i> , <i>f</i> , <i>j</i> , <i>l</i> , <i>o</i> ]PERYLENE. Polycyclic Aromatic Compounds, 2007, 27, 295-310.	2.6	17
32	Haworth Synthesis as a Route to the Anthracene Ring System. Synthesis, 1974, 1974, 865-867.	2.3	16
33	The scope of the Haworth synthesis. Journal of Chemical Education, 1976, 53, 488.	2.3	16
34	The Peropyrene Route to Large Polycyclic Aromatic Hydrocarbons. A Topological Approach. Polycyclic Aromatic Compounds, 1992, 3, 51-61.	2.6	16
35	The stereochemistry of overcrowded homomeric bistricyclic aromatic enes with alkylidene bridges. Perkin Transactions II RSC, 2000, , 93-100.	1.1	16
36	Peri Interactions in Naphthalene Diketones: A Preference for (Z,Z) Conformations. Structural Chemistry, 2004, 15, 339-346.	2.0	16

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37	Stereochemistry of Bistricyclic Aromatic Enes and Related Polycyclic Systems. Topics in Current Chemistry, 2014, 350, 177-277.	4.0	16
38	Active Conformation of Polycyclic Antidepressants. Journal of Pharmaceutical Sciences, 1982, 71, 122-124.	3.3	14
39	Cyclic Conjugation in Peropyrenes. Polycyclic Aromatic Compounds, 1991, 2, 63-73.	2.6	13
40	Overcrowded 1,8-diazafluorenylidene-chalcoxanthenes. Introducing nitrogens at the fjord regions of bistricyclic aromatic enes. Organic and Biomolecular Chemistry, 2003, 1, 2755.	2.8	13
41	Reversible Friedel-Crafts Acylations of Phenanthrene: Rearrangements of Acetylphenanthrenes. Letters in Organic Chemistry, 2007, 4, 314-318.	0.5	13
42	The Tetracyanoquinodimethane Motif in Overcrowded Bistricyclic Aromatic Enes: Avoiding Thermochromism. European Journal of Organic Chemistry, 2008, 2008, 2887-2894.	2.4	13
43	Naphthologs of overcrowded bistricyclic aromatic enes: (E)-bisbenzo[a]fluorenylidene. Structural Chemistry, 2013, 24, 1229-1240.	2.0	13
44	Reversible Friedel-Crafts acyl rearrangements of planar polycyclic aromatic ketones: dibenzofluorenones. RSC Advances, 2013, 3, 21797.	3.6	13
45	Intramolecular Friedel-Crafts acylation of a lactone in polyphosphoric acid. Synthesis of 2-phenylphenalen-1-one. Journal of Organic Chemistry, 1980, 45, 3364-3366.	3.2	12
46	Overcrowded naphthologs of mono-bridged tetraarylethylenes: analogs of bistricyclic aromatic enes. Structural Chemistry, 2009, 20, 541-556.	2.0	12
47	The conformational spaces of dinaphthyl ketones, dinaphthyl thioketones, and dinaphthyl diazomethanes: 1-substituted naphthalenes versus 2-substituted naphthalenes. Structural Chemistry, 2012, 23, 771-790.	2.0	12
48	In Defense of Secondary Pharmaceutical Patents in Drug Discovery and Development. ACS Medicinal Chemistry Letters, 2020, 11, 91-98.	2.8	11
49	Linear versus Y-Topology in Conjugated Polyene Dications: Questioning Y-Aromaticity. Journal of Organic Chemistry, 2001, 66, 3215-3219.	3.2	10
50	The Synthesis of Linearly Annulated Polycyclic Ketones by Friedel-Crafts Rearrangements of Their Angular Isomers. Synthetic Communications, 1974, 4, 119-126.	2.1	9
51	Differentiation of human myeloid leukemic cells by phorbol esters: Correlation with tumor promotion. International Journal of Cancer, 1984, 34, 451-457.	5.1	9
52	Conformational space of tetrakis(2-naphthalenyl)ethene: a naphthologous AIE luminogen. Structural Chemistry, 2013, 24, 1747-1757.	2.0	9
53	$1,2$ Rearrangements of naphthyl ketones under Friedel-Crafts acylation conditions. Journal of the Chemical Society Chemical Communications, 1973, .	2.0	8
54	From Overcrowded Polycyclic Aromatic Enes to Semifullerenes. Polycyclic Aromatic Compounds, 1996, 8, 167-175.	2.6	8

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55	Reversible Friedel-Crafts Acylations of Anthracene: Rearrangements of Acetylanthracenes. Letters in Organic Chemistry, 2009, 6, 237-241.	0.5	8
56	Kinetic control wins out over thermodynamic control in Friedel-Crafts acyl rearrangements. Tetrahedron Letters, 2011, 52, 1854-1857.	1.4	8
57	Variations of bistricyclic aromatic enes: mono-bridged tetraarylethene naphthologs. Structural Chemistry, 2015, 26, 319-352.	2.0	8
58	Large PAHs Derived from Benzanthrone and Naphthanthrone. A Semiempirical Study. Polycyclic Aromatic Compounds, 2001, 18, 247-263.	2.6	7
59	The linkage between reversible Friedel-Crafts acyl rearrangements and the Scholl reaction. Structural Chemistry, 2019, 30, 1579-1610.	2.0	7
60	Preferred electron-impact elimination of two CHO groups from A triapentafulvalenequinone. Formation of a triafulvalene radical cation?. Organic Mass Spectrometry, 1973, 7, 907-909.	1.3	6
61	The internal barriers of rotation for the 209 polychlorinated biphenyls. Environmental Science and Pollution Research, 1999, 6, 67-68.	5.3	6
62	Stereochemistry of ( E )- and ( Z )-1,1-Dichlorobifluorenylidenes, Substituted Overcrowded Fullerene Fragments. Enantiomer, 2002, 7, 261-269.	0.5	6
63	Friedel-Crafts acyl rearrangements in the fluoranthene series. Structural Chemistry, 2017, 28, 511-526.	2.0	6
64	Structure-Resonance Valence Bond Theory for Ferrocenes and Ferrocenylalkyl Cations. Israel Journal of Chemistry, 1983, 23, 66-71.	2.3	5
65	A THEORETICAL STUDY OF THE CONFORMATIONS OF TETRABENZO[A,CD,F,LM]PERYLENE, AN OVERCROWDED LPAH. Polycyclic Aromatic Compounds, 2004, 24, 151-160.	2.6	5
66	Enantiomer resolution of nefopam hydrochloride, a novel analgesic: a study by liquid chromatography and circular dichroism spectroscopy. Journal of Pharmacy and Pharmacology, 2011, 40, 48-50.	2.4	5
67	Polycyclic Aromatic Ketones - A Crystallographic and Theoretical Study of Acetyl Anthracenes. , 0, , .		4
68	Pyrene is not an appropriate model for miniature graphene in edge-functionalization. Structural Chemistry, 2015, 26, 121-135.	2.0	4
69	Selenium- and tellurium-bridged heteromeric overcrowded bistricyclic aromatic enes with central six-member and seven-member rings. Structural Chemistry, 2015, 26, 1565-1584.	2.0	4
70	Dynamic Stereochemistry of Monobridged Tetraarylethene Naphthologues. Variations of Bistricyclic Aromatic Enes. Asian Journal of Organic Chemistry, 2015, 4, 1392-1398.	2.7	3
71	Classroom Enters the Courtroom: Stereochemistry of $S_N1$ and $S_N2$ Reactions in Enantiomer Patent Litigations of the Antidepressant Escitalopram. Chirality, 2016, 28, 39-43.	2.6	3
72	Regioselective Friedel-Crafts deacylations of polycyclic aromatic ketones in the pyrene series. Structural Chemistry, 2018, 29, 97-111.	2.0	3

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73	Charge Separation in Triafulvenes: Application of the <i>Para</i> -Fluorophenyl Tag <sup>19</sup> f NMR Method. Journal of the Chinese Chemical Society, 1975, 22, 191-195.	1.4	2
74	In quest of reversibility of Friedel-Crafts acyl rearrangements in the pyrene series. Structural Chemistry, 2020, 31, 47-60.	2.0	2
75	Conformational Space and Dynamic Stereochemistry of Overcrowded Homomeric Bistricyclic Aromatic Enes <sup>~</sup> A Theoretical Study. European Journal of Organic Chemistry, 2001, 2001, 15-34.	2.4	2
76	Thermodynamic Properties of the Arene Epoxides and the Relative Carcinogenicities of Benzo[a]pyrene and Benzo[e]pyrene. Polycyclic Aromatic Compounds, 1993, 3, 199-207.	2.6	1
77	Heteromeric Bistricyclic Aromatic Enes: Dynamic Stereochemistry of Xanthyliene-Anthrones. Chirality, 2015, 27, 919-928.	2.6	1
78	The conformational space of diphenylamine-2,2'-dicarboxaldehyde. <sup>~</sup> Whoever reports a saying in the name of the one who said it brings redemption to the world. Structural Chemistry, 2019, 30, 815-825.	2.0	1
79	A structural chemistry practitioner: a fox rather than a hedgehog. <sup>~</sup> Reversibility of Friedel-Crafts acyl rearrangements. Structural Chemistry, 2020, 31, 1635-1659.	2.0	1
80	Distinction between 2 <sup>-</sup> and 3 <sup>-</sup> -Phosphate Isomers of a Fluorescent NADPH Analogue Led to Strong Inhibition of Cancer Cells Migration. Antioxidants, 2021, 10, 723.	5.1	1
81	Conformational Space and Dynamic Stereochemistry of Overcrowded Homomeric Bistricyclic Aromatic Enes <sup>~</sup> A Theoretical Study. , 2001, 2001, 15.		1
82	Regioselective Friedel-Crafts Acetylations of 2-Acetylanthracene. Letters in Organic Chemistry, 2015, 12, 324-331.	0.5	1
83	Chiral Drugs. Enantiomer, 2002, 7, 405-406.	0.5	0
84	Sir Robert Robinson <sup>~</sup> Minor Prophet, a most senior referee, a story of darkness and light. Structural Chemistry, 2021, 32, 1347-1351.	2.0	0