## Valerii Shirinian

## List of Publications by Year in descending order

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304602 414303 125 1,688 22 32 citations h-index g-index papers 146 146 146 1323 docs citations times ranked citing authors all docs

#	Article	IF	CITATIONS
1	Synthesis and spectral properties of a novel family of photochromic diarylethenes-2,3-diarylcyclopent-2-en-1-ones. Journal of Photochemistry and Photobiology A: Chemistry, 2012, 233, 1-14.	2.0	60
2	Azole-based diarylethenes as the next step towards advanced photochromic materials. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2018, 36, 1-23.	5.6	53
3	Photoinduced Skeletal Rearrangement of Diarylethenes Comprising Oxazole and Phenyl Rings. Organic Letters, 2014, 16, 4532-4535.	2.4	50
4	Copper(II)-Mediated Aerobic Synthesis of Imidazo[1,2- <i>a</i> ) pyridines via Cascade Aminomethylation/Cycloisomerization of Alkynes. Journal of Organic Chemistry, 2015, 80, 11212-11218.	1.7	50
5	Recent Advances in the Interrupted Nazarov Reaction. Advanced Synthesis and Catalysis, 2020, 362, 702-723.	2.1	49
6	Merocyanines: Synthesis and Application. Topics in Heterocyclic Chemistry, 2008, , 75-105.	0.2	42
7	Fluorescent photochromes of diarylethene series: synthesis and properties. Russian Chemical Reviews, 2013, 82, 511-537.	2.5	42
8	General Photoinduced Sequential Electrocyclization/[1,9]-Sigmatropic Rearrangement/Ring-Opening Reaction of Diarylethenes. Journal of Organic Chemistry, 2015, 80, 11491-11500.	1.7	42
9	Steroidal Pyrimidines and Dihydrotriazines as Novel Classes of Anticancer Agents against Hormone-Dependent Breast Cancer Cells. Frontiers in Pharmacology, 2017, 8, 979.	1.6	42
10	Synthesis and Comparative Photoswitching Studies of Unsymmetrical 2,3-Diarylcyclopent-2-en-1-ones. Journal of Organic Chemistry, 2014, 79, 3440-3451.	1.7	39
11	New photosensitive polymer composites based on oriented porous polyethylene filled with azobenzeneâ€containing LC mixture: reversible photomodulation of dichroism and birefringence. Liquid Crystals, 2008, 35, 533-539.	0.9	38
12	Regio- and Chemoselective Bromination of 2,3-Diarylcyclopent-2-en-1-ones. Journal of Organic Chemistry, 2012, 77, 8112-8123.	1.7	37
13	Synthesis and antiproliferative activity evaluation of steroidal imidazo[1,2-a]pyridines. Steroids, 2016, 113, 29-37.	0.8	36
14	Synthesis of Imidazo[2,1- <i>b</i> ]thiazoles via Copper-Catalyzed A <sup>3</sup> -Coupling in Batch and Continuous Flow. Journal of Organic Chemistry, 2017, 82, 9682-9692.	1.7	36
15	New fluorescent switches based on photochromic 2,3-diarylcyclopent-2-en-1-ones and 6-ethoxy-3-methyl-1H-phenalen-1-one. Dyes and Pigments, 2013, 97, 311-317.	2.0	29
16	OFETâ€Based Memory Devices Operating via Optically and Electrically Modulated Charge Separation between the Semiconductor and 1,2â€bis(Hetaryl)ethene Dielectric Layers. Advanced Electronic Materials, 2016, 2, 1500219.	2.6	28
17	Synthesis of Benzo[4,5]imidazo[2,1 $\hat{a} \in \hat{b} = 0$ Synthesis of Benzo[4,5]imidazole by Copper(II) $\hat{a} \in \mathbb{C}$ atalyzed Thioamination of Nitroalkene with $1 < i > H <  i > \hat{a} \in \mathbb{B}$ enzo[ $< i > d <  i > 1$ ]imidazole $\hat{a} \in \mathbb{C}$ $\hat{a} \in \mathbb{C}$ hiol. Advanced Synthesis and Catalysis, 2018, 360, 2402-2408.	2.1	28
18	Isomerization of 3H- to 2H-[1]Benzothieno[3,2-b]pyrroles and Synthesis of the First Merocyanine Dyes Based on Them. European Journal of Organic Chemistry, 2006, 2006, 2087-2092.	1.2	27

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19	Photoinduced Rearrangements of Diarylethenes. Chemistry of Heterocyclic Compounds, 2016, 52, 658-665.	0.6	27
20	Fe( <scp>iii</scp> )-Catalyzed synthesis of steroidal imidazoheterocycles as potent antiproliferative agents. Organic and Biomolecular Chemistry, 2020, 18, 5571-5576.	1.5	25
21	Synthesis and photochromic properties of oxime derivatives of 2,3-diarylcyclopent-2-en-1-ones. Photochemical and Photobiological Sciences, 2013, 12, 1717-1725.	1.6	23
22	Photochemical Rearrangement of Diarylethenes: Reaction Efficiency and Substituent Effects. Journal of Organic Chemistry, 2017, 82, 8651-8661.	1.7	23
23	Postâ€Modification of the Ethene Bridge in the Rational Design of Photochromic Diarylethenes. Chemical Record, 2020, 20, 51-63.	2.9	23
24	Synthesis of photochromic derivatives of cyclobutene-1,2-dione. Mendeleev Communications, 2002, 12, 141-143.	0.6	22
25	Acylation of Meldrum's acid with arylacetic acid imidazolides as a convenient method for the synthesis of 4-aryl-3-oxobutanoates. Russian Chemical Bulletin, 2011, 60, 139-142.	0.4	21
26	Metal-free C–H arylation of imidazoheterocycles with aryl hydrazines. RSC Advances, 2018, 8, 12360-12367.	1.7	21
27	Molecular structure–electrical performance relationship for OFET-based memory elements comprising unsymmetrical photochromic diarylethenes. Journal of Materials Chemistry C, 2019, 7, 6889-6894.	2.7	21
28	Synthesis and spectral properties of photochromic cyclopentenone diarylethenes with an additional π system in the ethene bridge. Mendeleev Communications, 2013, 23, 268-270.	0.6	20
29	Novel steroidal 1,3,4-thiadiazines: Synthesis and biological evaluation in androgen receptor-positive prostate cancer 22Rv1 cells. Bioorganic Chemistry, 2019, 91, 103142.	2.0	19
30	Photorearrangement of dihetarylethenes as a tool for the benzannulation of heterocycles. Organic and Biomolecular Chemistry, 2019, 17, 4990-5000.	1.5	19
31	Reversible Shifting of a Chemical Equilibrium by Light: The Case of Keto–Enol Tautomerism of a β-Ketoester. Organic Letters, 2020, 22, 604-609.	2.4	19
32	Photochromic Dihetarylethenes: XVII. New Synthesis of Photochromic N-Alkyldithienylmaleimides. Russian Journal of Organic Chemistry, 2002, 38, 1335-1338.	0.3	18
33	Novel photochromic spirocyclic compounds of thienopyrroline series: 1. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 189, 161-166.	2.0	18
34	Structural and Spectral Properties of Photochromic Diarylethenes: Size Effect of the Ethene Bridge. Journal of Organic Chemistry, 2017, 82, 1477-1486.	1.7	18
35	A New Approach to the Synthesis of Dithienylethanediones and Dithienylacetylenes. Chemistry of Heterocyclic Compounds, 2003, 39, 1570-1579.	0.6	17
36	Synthesis and evaluation of the antiproliferative activity of benzylidenes of 16-dehydroprogesterone series. Steroids, 2018, 138, 91-101.	0.8	17

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37	Photoswitching off the Antiproliferative Activity of Combretastatin A-4 Analogues. Organic Letters, 2019, 21, 9608-9612.	2.4	17
38	Novel photochromic diarylethenes bearing an imidazole moiety. Tetrahedron Letters, 2015, 56, 5477-5481.	0.7	16
39	Photocyclization of diarylethenes: the effect of imidazole on the oxidative photodegradation process. Photochemical and Photobiological Sciences, 2019, 18, 1101-1109.	1.6	16
40	Photo- and PH-switchable fluorescent diarylethenes based on 2,3-diarylcyclopent-2-en-1-ones with dialkylamino groups. Dyes and Pigments, 2016, 124, 258-267.	2.0	15
41	Mechanistic Aspects of Photoinduced Rearrangement of 2,3-Diarylcyclopentenone Bearing Benzene and Oxazole Moieties. Journal of Physical Chemistry A, 2018, 122, 7107-7117.	1.1	15
42	Photochemical rearrangement of diarylethenes: synthesis of functionalized phenanthrenes. Organic and Biomolecular Chemistry, 2020, 18, 3098-3103.	1.5	15
43	Title is missing!. Russian Chemical Bulletin, 2002, 51, 1515-1518.	0.4	14
44	Synthesis and Spectral Properties of Fluorescent Dithienylmaleimides. Bulletin of the Chemical Society of Japan, 2006, 79, 889-893.	2.0	14
45	Synthesis and spectral properties of 3-(2-aryl-5-methyl-1,3-oxazol-) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	50 422 Td (	4-yl)-2-(2,5-di
46	Photochromic composites based on porous stretched polyethylene filled by nematic liquid crystal mixtures. Polymers for Advanced Technologies, 2010, 21, 100-112.	1.6	13
47	Triaryl-Substituted Divinyl Ketones Cyclization: Nazarov Reaction versus Friedel–Crafts Electrophilic Substitution. Organic Letters, 2016, 18, 6260-6263.	2.4	13
48	Facile synthesis of photoactive diaryl(hetaryl)cyclopentenes by ionic hydrogenation. RSC Advances, 2016, 6, 59016-59020.	1.7	13
49	Novel photochromic spirocyclic compounds of thienopyrroline series: 2. Spirooxazines. Journal of Photochemistry and Photobiology A: Chemistry, 2009, 206, 116-123.	2.0	12
50	Synthesis of new photochromic diarylethenes of cyclopentenone series by Nazarov reaction. Chemistry of Heterocyclic Compounds, 2015, 51, 234-241.	0.6	12
51	Aerobic Dimerization of Ethyl 4-Thienyl-3-ketobutanoate toward a Modifiable Photochromic Diarylethene Precursor. Organic Letters, 2017, 19, 4395-4398.	2.4	12
52	Novel synthesis of 2-arylbenzothiazoles. Russian Chemical Bulletin, 2000, 49, 1859-1862.	0.4	11
53	7-Nitro- and 7-aminosubstituted spiropyrans of 1-benzothieno[3,2-b]pyrrole. Dyes and Pigments, 2010, 84, 19-24.	2.0	11
54	A novel formulation of zolpidem for direct nose-to-brain delivery: synthesis, encapsulation and intranasal administration to mice. Journal of Pharmacy and Pharmacology, 2018, 70, 1164-1173.	1.2	11

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55	Mechanism of photochromic transformations and photodegradation of an asymmetrical 2,3-diarylcyclopentenone. Physical Chemistry Chemical Physics, 2020, 22, 5220-5228.	1.3	11
56	Solvent dependent photoswitching and emission of diarylethenes with a π-conjugated push-pull system. Journal of Luminescence, 2022, 241, 118472.	1.5	11
57	A convenient synthesis of 3-substituted 5-guanidino-1,2,4-oxadiazoles. Russian Chemical Bulletin, 1994, 43, 114-117.	0.4	10
58	Mesoporous particle-based microcontainers for intranasal delivery of imidazopyridine drugs. Journal of Microencapsulation, 2018, 35, 657-666.	1.2	10
59	Photocyclization of Diarylethenes: The Effect of Electron and Proton Acceptors as Additives. Journal of Organic Chemistry, 2021, 86, 10023-10031.	1.7	10
60	Title is missing!. Russian Journal of Organic Chemistry, 2002, 38, 1331-1334.	0.3	9
61	Photoâ€optical properties of polymer composites based on stretched porous polyethylene filled with photoactive cholesteric liquid crystal. Liquid Crystals, 2007, 34, 791-797.	0.9	9
62	Synthesis and spectral properties of fluorescent photochromic diarylethenes with 6,6a-dihydropentalene-2(1H)-one ethene "bridge― Dyes and Pigments, 2014, 109, 105-112.	2.0	9
63	Kinetics and mechanism of photochromic transformations of a 2,3-diarylcyclopentenone. Kinetics and Catalysis, 2015, 56, 316-322.	0.3	9
64	Practical and Efficient Synthesis of Polyaryl(hetaryl)-Substituted Cyclohexenones and Salicylates. Synthesis, 2017, 49, 1255-1263.	1.2	9
65	Light-Sensitive Material Structure–Electrical Performance Relationship for Optical Memory Transistors Incorporating Photochromic Dihetarylethenes. ACS Applied Materials & Dihetarylethenes. ACS Ap	4.0	9
66	Friedel-crafts acylation of 2,5-dimethylthiophene in the presence of pyridine. Chemistry of Heterocyclic Compounds, 2000, 36, 219-220.	0.6	8
67	Title is missing!. Russian Chemical Bulletin, 2002, 51, 1510-1514.	0.4	8
68	Synthesis of first spiropyrans and spirooxazines based on thieno [3,2-b] pyrroles. Russian Chemical Bulletin, 2004, 53, 720-721.	0.4	8
69	A Comparative Study of the Spectral and Kinetic Properties of Photochromic Dihetarylethenes Based on Maleic Anhydride and Maleimide. Optics and Spectroscopy (English Translation of Optika I) Tj ETQq1 1 0.7843	31 <b>4.</b> æBT /	'Oværlock 10
70	Synthesis of 4-hetaryl-5,6-(2,5-dimethyl-3-thienyl)-2-phenyl-4h-thiazines and investigation of their photochromism. Chemistry of Heterocyclic Compounds, 2005, 41, 86-92.	0.6	8
71	Synthesis and structure of spirooxazines of the thieno[3,2-b]pyrroline series. Arkivoc, 2005, 2005, 72-81.	0.3	8
72	15N NMR study of the mechanism of the reaction of amidoximes with nitrites in the presence of ZnCl2 and HCl. Russian Chemical Bulletin, 1994, 43, 627-629.	0.4	7

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73	Title is missing!. Chemistry of Heterocyclic Compounds, 2001, 37, 77-84.	0.6	7
74	Synthesis of photochromic 2,3-bis(2,5-dimethyl-3-thienyl)-3-cyanoacrylates by the Beckmann rearrangement of a cyclobutenedione derivative. Mendeleev Communications, 2004, 14, 202-204.	0.6	7
75	A Study of the Photoorientation Phenomena in Cholesteric Polymer Systems Containing Photochromic Diarylethene Derivatives. Macromolecular Chemistry and Physics, 2006, 207, 770-778.	1.1	7
76	Synthesis and spectral kinetic study of photoinduced processes of photochromic nitro-substituted indoline and benzothienopyrroline spiropyrans in solutions. Russian Chemical Bulletin, 2010, 59, 828-832.	0.4	7
77	New thermally stable photochromic di(het)arylethenes of the cyclopentenone series. Russian Chemical Bulletin, 2012, 61, 1769-1775.	0.4	7
78	A convenient alternative method for the synthesis of dithienylacetylenes. Chemistry of Heterocyclic Compounds, 2015, 51, 933-935.	0.6	7
79	Novel d-Annulated Pentacyclic Steroids: Regioselective Synthesis and Biological Evaluation in Breast Cancer Cells. Molecules, 2020, 25, 3499.	1.7	7
80	A convenient method for the preparation of N-unsubstituted hydrazones of aromatic ketones and aldehydes. Russian Chemical Bulletin, 1999, 48, 2171-2173.	0.4	6
81	Photochromic properties of polycrystals: 2,3-diarylcyclopentenone and its adduct with a metal-organic coordination polymer. Journal of Structural Chemistry, 2016, 57, 1216-1224.	0.3	6
82	Condensation of 5-hydroxy-2-methyl-4H-pyran-4-one with arylglyoxals. Synthesis and properties of 2-aryl-1-(3-hydroxy-6-methyl-4-oxo-4H-pyran-2-yl)ethane-1,2-diones. Russian Chemical Bulletin, 2018, 67, 1873-1877.	0.4	6
83	Modulation of diarylethene fluorescence by photochromic switching and solvent polarity. Mendeleev Communications, 2019, 29, 564-566.	0.6	6
84	Photoinduced Skeletal Rearrangement of Diarylethenes: Photorelease of Lewis Acid and Synthetic Applications. Journal of Organic Chemistry, 2021, 86, 16806-16814.	1.7	6
85	Synthesis of thieno[3.2-b]pyrrolenine derivatives under the Fischer reaction conditions. Russian Chemical Bulletin, 2005, 54, 738-742.	0.4	5
86	Synthesis of spiropyrans and merocyanine dyes based on 1-benzothieno[3,2-b]pyrrole. Russian Chemical Bulletin, 2009, 58, 380-386.	0.4	5
87	Synthesis of new merocyanine dyes of thiophene series. Mendeleev Communications, 2015, 25, 262-263.	0.6	5
88	Synthesis and Antiproliferative Activity Evaluation of Aryl (Hetaryl) Cyclopentenone Analogs of Combretastatin A-4. Pharmaceutical Chemistry Journal, 2018, 51, 867-872.	0.3	5
89	Pinacol rearrangement of cyclopent-3-en-1,2-diols: Cyclopentenone formation and interrupting reaction. Tetrahedron Letters, 2018, 59, 243-246.	0.7	5
90	Synthesis of 2-arylbenzothiazoles by the reaction ofo-aminothiophenol with bis(arylmethyl)disulfides. Chemistry of Heterocyclic Compounds, 2000, 36, 228-228.	0.6	4

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91	Regioselective C-alkylation of alkyl 4-hydroxy-2-methylthiophene-3-carboxylates with Â-halo ketones. Russian Chemical Bulletin, 2004, 53, 631-634.	0.4	4
92	Synthesis and Photochromism of Dihetarylethenes and Spiro Compounds based on Thiophene Derivatives. Molecular Crystals and Liquid Crystals, 2005, 431, 329-335.	0.4	4
93	Synthesis of Novel Photochromic Spiro Compounds based on Thieno[3,2-b]Pyrroles. Molecular Crystals and Liquid Crystals, 2005, 431, 307-313.	0.4	4
94	Convenient synthesis of diarylpropargyl alcohols. Mendeleev Communications, 2011, 21, 339-340.	0.6	4
95	Synthesis of E- and Z-isomeric progesterone 3-O-methyloximes. Russian Chemical Bulletin, 2013, 62, 2086-2087.	0.4	4
96	Photochromic diarylethene ligands featuring 2-(imidazol-2-yl)pyridine coordination site and their iron(II) complexes. Beilstein Journal of Organic Chemistry, 2019, 15, 2428-2437.	1.3	4
97	Fluorescence modulation of eosin Y in a PMMA film by diarylethene switching. Mendeleev Communications, 2019, 29, 285-287.	0.6	4
98	Synthesis and photorearrangement of furanone diarylethenes with an additional π-system. Tetrahedron Letters, 2020, 61, 152277.	0.7	4
99	Photocontrollable Modulation of Frontier Molecular Orbital Energy Levels of Cyclopentenone-Based Diarylethenes. Journal of Physical Chemistry A, 2021, 125, 3681-3688.	1.1	4
100	A novel transformation of 2-acetylthiophene and its halogen derivatives under Vilsmeier reaction conditions. Mendeleev Communications, 2002, 12, 19-20.	0.6	3
101	Synthesis of 4-aryl-2,6,6-trimethyl-5-oxo-5,6-dihydro-4H-thieno[3,2-b]pyrroles. Russian Chemical Bulletin, 2003, 52, 1873-1876.	0.4	3
102	Novel photochromic spiro compounds based on thieno[3,2â€ <i>b</i> )]pyrroles. Journal of Physical Organic Chemistry, 2007, 20, 845-850.	0.9	3
103	Efficient Methods for the Synthesis of Thieno[3,2-b]thiophene and Thieno[3,2-b]furan Derivatives. Synthesis, 2009, 2009, 3803-3806.	1.2	3
104	1,2-Bis- and 1,2,3-tris(2,5-dimethylthiophen-3-yl)azulenes: Synthesis, structure and properties. Dyes and Pigments, 2020, 172, 107843.	2.0	3
105	Primary processes in photochemistry of 2,3-bis(2,5-dimethylthiophen-3-yl)cyclopent-2-enone. Mendeleev Communications, 2020, 30, 61-63.	0.6	3
106	Cyclization of Polarized Divinyl Ketones under Aqueous and Ambient Conditions. Advanced Synthesis and Catalysis, 2021, 363, 251-258.	2.1	3
107	Light-driven photoswitching of quinazoline analogues of combretastatin A-4 as an effective approach for targeting skin cancer cells. Organic and Biomolecular Chemistry, 2021, 19, 7670-7677.	1.5	3
108	Fischer Synthesis of 1H- and 3H-[1]Benzothieno[3,2-b]pyrroles. Synthesis, 2007, 2007, 2706-2710.	1.2	2

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109	An Environmentally Friendly Synthesis of Michler's Ketone Analogues in Water. Synthesis, 2012, 2012, 527-531.	1.2	2
110	Spectral properties and structure of unsymmetrical diarylethenes based on thiazole ring with hydrogen at the reactive carbon. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 203, 348-356.	2.0	2
111	Practical Deoxygenation of Oxazole N-Oxides by PCl3/Collidine. Synthesis, 2019, 51, 414-420.	1.2	2
112	New method for the preparation of 5-amino-1,2,4-oxadiazoles. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1991, 40, 1924-1924.	0.0	1
113	Photochromic Dihetarylethenes. Part 13. Optimization of Conditions for the Acylation of 2,5-Dimethylthiophene with Squaric Acid Dichloride ChemInform, 2003, 34, no.	0.1	1
114	Photochromic Dihetarylethenes. Part 14. Synthesis of Symmetrical and Unsymmetrical Dihetarylcyclobutene-1,2-diones ChemInform, 2003, 34, no.	0.1	1
115	Dithienylthiazines from Dithienylacetylenes. Phosphorus, Sulfur and Silicon and the Related Elements, 2005, 180, 1503-1504.	0.8	1
116	Spectrokinetic study of photochromic transformations of spironaphthopyran metal complexes. Russian Journal of Physical Chemistry B, 2011, 5, 461-464.	0.2	1
117	Photochromic and Magnetic Nanocomposites Based on Epoxy and Polycarbonate Matrices. Journal of Inorganic and Organometallic Polymers and Materials, 2016, 26, 1320-1327.	1.9	1
118	Synthesis and crystal structures of D-annulated pentacyclic steroids: looking within and beyond AR signalling in prostate cancer CrystEngComm, $0$ , , .	1.3	1
119	Synthesis of Photochromic Derivatives of Cyclobutene-1,2-dione ChemInform, 2003, 34, no.	0.1	0
120	Synthesis of 4-Aryl-2,6,6-trimethyl-5-oxo-5,6-dihydro-4H-thieno[3,2-b]pyrroles ChemInform, 2004, 35, no.	0.1	0
121	Regioselective C-Alkylation of Alkyl 4-Hydroxy-2-methylthiophene-3-carboxylates with $\hat{l}\pm$ -Halo Ketones ChemInform, 2004, 35, no.	0.1	0
122	Synthesis of First Spiropyrans and Spirooxazines Based on Thieno[3,2-b]pyrroles. ChemInform, 2005, 36, no.	0.1	0
123	Synthesis of Photochromic 2,3-Bis(2,5-dimethyl-3-thienyl)-3-cyanoacrylates by the Beckmann Rearrangement of a Cyclobutenedione Derivative ChemInform, 2005, 36, no.	0.1	0
124	Dialkylation of Ethyl 4-(Het)aryl-3-oxobutanoates as a Route to 5-(2-Oxoethyl)cyclopentenones. Synlett, 2019, 30, 1321-1323.	1.0	0
125	A convenient synthesis of condensed thiazoles as promising tubulin/Tdp-1 bi-inhibitors. AIP Conference Proceedings, 2022, , .	0.3	0