

Taku Shoji

List of Publications by Year in descending order

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86
papers

1,800
citations

236925

25
h-index

330143

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113
all docs

113
docs citations

113
times ranked

714
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensitive screening of methamphetamine stimulant using potential-modulated electrochemiluminescence. <i>Analytica Chimica Acta</i> , 2022, 1191, 339229.	5.4	5
2	Synthesis of 8-Aryl-2H-cyclohepta[b]furan-2-ones and Transformation into 4-Arylazulenes. <i>Chemistry Letters</i> , 2022, 51, 533-537.	1.3	0
3	Synthesis, Reactivity, and Properties of Benz[a]azulenes via the [8 + 2] Cycloaddition of 2H-Cyclohepta[b]furan-2-ones with an Enamine. <i>Journal of Organic Chemistry</i> , 2022, , .	3.2	9
4	Azulen[6,5-b]indoles: Palladium-Catalyzed Oxidative Ring-Closing Reaction of 6-(Arylamino)azulenes. <i>Heterocycles</i> , 2022, 105, 383.	0.7	0
5	Synthesis, Photophysical and Electrochemical Properties of 1-, 2-, and 6-(2-Benzofuryl)azulenes. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 1000-1009.	3.2	6
6	Azulenyl-Substituted Donor-Acceptor Polymethines and 1,6-Bi-, 1,6,3,6-Tetra-, and Quinqueazulenes via Zincke Salts: Synthesis, and Structural, Optical, and Electrochemical Properties. <i>ChemPlusChem</i> , 2021, 86, 946-966.	2.8	1
7	Synthesis of Azulene Derivatives from 2H-Cyclohepta[b]furan-2-ones as Starting Materials: Their Reactivity and Properties. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10686.	4.1	14
8	Ion Transfer Voltammetry of Azulene Sulfonates at a Liquid Liquid Interface. <i>Bunseki Kagaku</i> , 2021, 70, 529-533.	0.2	0
9	Direct synthesis of 2-arylazulenes by [8+2] cycloaddition of 2H-cyclohepta[b]furan-2-ones with silyl enol ethers. <i>Chemical Communications</i> , 2020, 56, 1485-1488.	4.1	24
10	Molecular Transformation to Pyrroles, Pentafulvenes, and Pyrrolopyridines by [2+2] Cycloaddition of Propargylamines with Tetracyanoethylene. <i>Chemistry - A European Journal</i> , 2020, 26, 1931-1935.	3.3	20
11	Synthesis of thiophene-fused heptalenes by cycloaddition of azulenothiophenes with dimethyl acetylenedicarboxylate. <i>Scientific Reports</i> , 2020, 10, 12477.	3.3	4
12	Development of Heterocycle-Substituted and Fused Azulenes in the Last Decade (2010-2020). <i>International Journal of Molecular Sciences</i> , 2020, 21, 7087.	4.1	29
13	Synthesis of phthalimides cross-conjugated with an azulene ring, and their structural, optical and electrochemical properties. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 2274-2282.	2.8	10
14	Synthesis of azuleno-phthalimides by phosphine-mediated annulation of 1,2-diformylazulenes with maleimides. <i>Organic Chemistry Frontiers</i> , 2019, 6, 195-204.	4.5	22
15	Synthesis of azuleno[2,1-b]thiophenes by cycloaddition of azulenyalkynes with elemental sulfur and their structural, optical and electrochemical properties. <i>Organic Chemistry Frontiers</i> , 2019, 6, 2801-2811.	4.5	29
16	Synthesis of 6-Amino- and 6-Arylazoazulenes via Nucleophilic Aromatic Substitution and Their Reactivity and Properties. <i>Journal of Organic Chemistry</i> , 2019, 84, 1257-1275.	3.2	17
17	Molecular Transformation of Methylazulenes: An Efficient and Practical Synthesis of Formyl- and Ethynylazulenes. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 1145-1157.	2.4	8
18	Synthesis of azulene-substituted benzofurans and isocoumarins via intramolecular cyclization of 1-ethynylazulenes, and their structural and optical properties. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 480-489.	2.8	22

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19	Synthesis and photophysical properties of azuleno[1,2-a:4,5]pyrrolo[2,1-b]quinazoline-6,14-diones: Azulene analogs of tryptanthrin. <i>Tetrahedron</i> , 2018, 74, 7018-7029.	1.9	12
20	Cyanine-cyanine hybrid structure as a stabilized polyelectrochromic system: synthesis, stabilities, and redox behavior of di(1-azulenyl)methylum units connected with electron-accepting π -electron systems. <i>Arkivoc</i> , 2018, 2018, 145-169.	0.5	3
21	Synthesis of 2-Methyl-1-azulenyl Tetracyanobutadienes and Dicyanoquinodimethanes: Substituent Effect of 2-Methyl Moiety on the Azulene Ring toward the Optical and Electrochemical Properties. <i>Journal of Organic Chemistry</i> , 2018, 83, 6690-6705.	3.2	22
22	The Preparation and Properties of Heteroarylazulenes and Hetero-Fused Azulenes. <i>Advances in Heterocyclic Chemistry</i> , 2018, 126, 1-54.	1.7	25
23	2,2'-Biazulene diimide-based conjugate polymers for high-performance field-effect transistors. <i>Science China Chemistry</i> , 2018, 61, 973-974.	8.2	7
24	Synthesis of 2-Amino-1-cyanoazulenes: Substituent Effect on 2H-Cyclohepta[b]furan-2-ones toward the Reaction with Malononitrile. <i>Heterocycles</i> , 2018, 97, 1068.	0.7	4
25	Synthesis of 2-Azulenyltetrathiafulvalenes by Palladium-Catalyzed Direct Arylation of 2-Chloroazulenes with Tetrathiafulvalene and Their Optical and Electrochemical Properties. <i>Journal of Organic Chemistry</i> , 2017, 82, 1657-1665.	3.2	31
26	Synthesis of 2-Aminofurans by Sequential [2+2] Cycloaddition-Nucleophilic Addition of 2-Propynyl Alkyls with Tetracyanoethylene and Amine-Induced Transformation into 6-Aminopentafulvenes. <i>Chemistry - A European Journal</i> , 2017, 23, 5126-5136.	3.3	25
27	Synthesis of 2-amino- and 2-aryloxyazulenes via nucleophilic aromatic substitution of 2-chloroazulenes with amines and arylhydrazines. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 3917-3923.	2.8	16
28	Azulene-Based Donor-Acceptor Systems: Synthesis, Optical, and Electrochemical Properties. <i>Chemistry - A European Journal</i> , 2017, 23, 16696-16709.	3.3	78
29	Frontispiece: Azulene-Based Donor-Acceptor Systems: Synthesis, Optical, and Electrochemical Properties. <i>Chemistry - A European Journal</i> , 2017, 23, .	3.3	1
30	Synthesis and Electrochemical Properties of Azulene-Substituted Tetracyanobutadiene and Dicyanoquinodimethane Chromophores Connected with Naphthalene Cores. <i>Heterocycles</i> , 2017, 95, 353.	0.7	7
31	Synthesis of Azulene-Substituted Tetraarylpyrroles by Reaction of 1-Azulenyl Ketones with Benzoin and Ammonium Acetate. <i>Heterocycles</i> , 2017, 94, 1870.	0.7	4
32	Synthesis of 1-azulenyl ketones by Brønsted acid mediated hydration of 1-azulenylalkynes. <i>RSC Advances</i> , 2016, 6, 78303-78306.	3.6	15
33	Synthesis and Properties of (3-Phenyl-1-azulenyl)tetracyanobutadienes and Tris(aryl-tetracyanobutadiene)s Connected with 1,3,5-Tri(1-azulenyl)benzene Core. <i>ChemistrySelect</i> , 2016, 1, 49-57.	1.5	15
34	Synthesis of 1,2'-Biazulenes by Palladium-Catalyzed Unusual Homocoupling Reaction of 1-Haloazulenes in the Presence of Ferrocene. <i>Synthesis</i> , 2016, 48, 2438-2448.	2.3	7
35	Synthesis, Properties, and Redox Behavior of Ferrocenyl-1,1,4,4-tetracyano-1,3-butadienes Connected by Arylamine and Azobenzene Spacers. <i>Bulletin of the Chemical Society of Japan</i> , 2015, 88, 1338-1346.	3.2	13
36	Synthesis, Properties, and Redox Behavior of Tris(1-azulenyl)tetracyanobutadiene and Tris[1-azulenylbis(tetracyanobutadiene)] Chromophores Connected to a 1,3,5-Tri(1-azulenyl)benzene Core. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 1979-1990.	2.4	17

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37	Synthesis of 2,6-Diaminoazulenes by the S _N Ar Reaction with Cyclic Amines. <i>Heterocycles</i> , 2015, 90, 85.	0.7	9
38	Synthesis of 2- and 6-thienylazulenes by palladium-catalyzed direct arylation of 2- and 6-haloazulenes with thiophene derivatives. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 10191-10197.	2.8	23
39	Synthesis, Properties, and Redox Behavior of 1,1,4,4-tetracyano-2-ferrocenyl-1,3-butadienes Connected by Aryl, Biaryl, and Teraryl Spacers. <i>Chemistry - A European Journal</i> , 2015, 21, 402-409.	3.3	27
40	Synthesis, Properties, and Crystal Structure of DDQ-Adducts of Ethynylated 2H-Cyclohepta[b]furan-2-ones. <i>Heterocycles</i> , 2014, 88, 319.	0.7	11
41	Synthesis of 2-Aryl- and 6-Heteroaryl-1,3-di(4-pyridyl)azulenes by Katritzky's Pyridylation of 2-Aryl- and 6-Heteroarylazulenes. <i>Heterocycles</i> , 2014, 89, 2588.	0.7	11
42	Synthesis of 1,3-Bis(tetracyano-2-azulenyl)-3-butadienylazulenes by the [2+2] Cycloaddition-Retroelectrocyclization of 1,3-Bis(azulenylethynyl)azulenes with Tetracyanoethylene. <i>Chemistry - A European Journal</i> , 2014, 20, 11903-11912.	3.3	37
43	Synthesis and Properties of 6-Methoxy- and 6-Dimethylamino-1-methylthio- and 1,3-Bis(methylthio)azulenes and Triflic Anhydride-Mediated Synthesis of Their Biaryl Derivatives. <i>Bulletin of the Chemical Society of Japan</i> , 2014, 87, 141-154.	3.2	16
44	Synthesis of 2,2-Diamino-1,1-biazulenes by the Copper-catalyzed Homocoupling Reaction of 2-Aminoazulenes. <i>Chemistry Letters</i> , 2014, 43, 1122-1124.	1.3	5
45	Synthesis of 2-Azulenyl-1,1,4,4-tetracyano-3-ferrocenyl-1,3-butadienes by [2+2] Cycloaddition of (Ferrocenylethynyl)azulenes with Tetracyanoethylene. <i>Chemistry - A European Journal</i> , 2013, 19, 5721-5730.	3.3	43
46	Synthesis and Properties of Azulene-Substituted Donor-Acceptor Chromophores Connected by Arylamine Cores. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 7785-7799.	2.4	34
47	Synthesis, Properties and Redox Behavior of Ene-Diyne Scaffolds Bearing 1- and 2-Azulenyl Groups at the Periphery. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 957-964.	2.4	20
48	Synthesis, Properties, and Redox Behavior of Tetracyanobutadiene and Dicyanoquinodimethane Chromophores Bearing Two Azulenyl Substituents. <i>Journal of Organic Chemistry</i> , 2013, 78, 12513-12524.	3.2	39
49	Synthesis of 1,6-Bi- and 1,6:3,6-Terazulenes from 1-Pyridyl- and 1,3-Di(pyridyl)azulenes by the Ziegler-Hafner Method. <i>Chemistry Letters</i> , 2013, 42, 638-640.	1.3	10
50	Synthesis of Novel Thiophene-Fused 1,1-Biazulene Derivative by the Reaction of Azuleno[1,2-b]thiophene with N-Iodosuccinimide. <i>Heterocycles</i> , 2013, 87, 303.	0.7	23
51	First Synthesis of 2-Heteroarylazulenes by the Electrophilic Substitution of Azulene with Triflate of N-Containing Heterocycles. <i>Heterocycles</i> , 2012, 85, 35.	0.7	17
52	Synthesis and Properties of Mono-, Bis-, Tris-, and Tetrakis[1,1,4,4-tetracyano-2-(1-azulenyl)-1,3-butadien-3-yl] Chromophores Connected to a Benzene Ring by Phenylethynyl- and 2-Thienylethynyl Spacers. <i>Bulletin of the Chemical Society of Japan</i> , 2012, 85, 761-773.	3.2	27
53	Synthesis and Solvatochromic Properties of Azulene-substituted Donor-Acceptor-type Polymethine Dyes. <i>Chemistry Letters</i> , 2012, 41, 1644-1646.	1.3	7
54	Facile Synthesis of 2,3-Disubstituted Pyrroles from 2-Substituted 1-Pyrrolines. <i>Heterocycles</i> , 2012, 85, 1187.	0.7	9

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55	Synthesis of push-pull chromophores by the sequential [2 + 2] cycloaddition of 1-azulenylbutadiynes with tetracyanoethylene and tetrathiafulvalene. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 8308.	2.8	49
56	Synthesis of donor-acceptor chromophores by the [2 + 2] cycloaddition of arylethynyl-2H-cyclohepta[b]furan-2-ones with 7,7,8,8-tetracyanoquinodimethane. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 2431.	2.8	35
57	Synthesis and Redox Behavior of Cyanovinyl-Substituted 2H-Cyclohepta[b]furan-2-ones. <i>Heterocycles</i> , 2012, 86, 305.	0.7	6
58	First synthesis of 1-(indol-2-yl)azulenes by the Vilsmeier-Haack type arylation with triflic anhydride as an activating reagent. <i>Tetrahedron Letters</i> , 2012, 53, 1493-1496.	1.4	30
59	The [2+2] Cycloaddition Reaction of Ethynylated 2H-Cyclohepta[b]furan-2-ones with 2,3-Dichloro-5,6-dicyano-1,4-benzoquinone. <i>Heterocycles</i> , 2011, 83, 2271.	0.7	14
60	Synthesis and Redox Behavior of Bis(3-methylthio-1-azulenyl)methyl Cations and Dications Connected by 2-Thienyl and 2,5-Thiophenediyl Spacers. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 584-592.	2.4	13
61	Synthesis of 1-Heteroaryl- and 1,3-Bis(heteroaryl)azulenes: Electrophilic Heteroarylation of Azulenes with the Triflates of N-Containing Heteroarenes. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 5311-5322.	2.4	25
62	Synthesis and [2+2] Cycloaddition with Tetracyanoethylene of Ene-Diyne Scaffolds Bearing Ferrocenes at the Periphery. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 5134-5140.	2.4	31
63	Synthesis of Redox-Active, Intramolecular Charge-Transfer Chromophores by the [2+2] Cycloaddition of Ethynylated 2H-Cyclohepta[b]furan-2-ones with Tetracyanoethylene. <i>Chemistry - A European Journal</i> , 2011, 17, 5116-5129.	3.3	53
64	Recent Advances in the Development of Methods for the Preparation of Functionalized Azulenes for Electrochromic Applications. <i>Synlett</i> , 2011, 2011, 2279-2298.	1.8	72
65	Synthesis, Properties, and Redox Behavior of Ferrocene-Substituted Bis(3-methylthio-1-azulenyl)methyl cations. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 4886-4891.	2.0	9
66	Synthesis of 5-Heteroaryl- and 5,7-Bis(heteroaryl)azulenes by Electrophilic Substitution of 1,3-Di-tert-butylazulene with Triflates of N-Containing Heterocycles. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 1059-1069.	2.4	27
67	Synthesis of 1-(pyridyl, quinolyl, and isoquinolyl)azulenes by Reissert-Henze type reaction. <i>Tetrahedron Letters</i> , 2010, 51, 5127-5130.	1.4	24
68	Electrophilic ipso-Substitution and Some Unique Reaction Behavior of 1,3,6-Tri-tert-butylazulene. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 1554-1563.	2.4	30
69	3-Thienyl Substituents by Palladium-Catalyzed Cross-Coupling Reaction of 2- and 6-Haloazulenes with Thienylmagnesium Ate Complexes. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 4307-4315.	2.4	24
70	Reactions between 1-Ethynylazulenes and 7,7,8,8-tetracyanoquinodimethane (TCNQ): Preparation, Properties, and Redox Behavior of Novel Azulene-Substituted Redox-Active Chromophores. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 4316-4324.	2.4	60
71	Synthesis and Properties of Ferrocenylmethylene-Bridged Calix[4]azulene and a New Example of Bis(1-azulenyl)ferrocenylmethyl cation. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 5948-5952.	2.4	11
72	Synthesis and redox behavior of ene-diyne scaffolds that bear ferrocenes at the periphery. <i>Tetrahedron Letters</i> , 2009, 50, 2825-2827.	1.4	6

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73	Synthesis, Properties, and Redox Behavior of Mono-, Bis-, and Tris[1,1,4,4-tetracyano(1-azulenyl)-3-butadienyl] Chromophores Binding with Benzene and Thiophene Cores. <i>Chemistry - A European Journal</i> , 2008, 14, 8398-8408.	2.3	118
74	Synthesis and Redox Behavior of 1-Azulenyl Sulfides and Efficient Synthesis of 1,1-Biazulenes. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 1242-1252.	2.4	43
75	Heteroarylation of 1-Azulenyl Methyl Sulfide: Two-Step Synthetic Strategy for 1-Methylthio(heteroaryl)azulenes Using the Triflate of N-Containing Heterocycles. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 5823-5831.	2.4	25
76	Synthesis and Intramolecular Pericyclization of 1-Azulenyl Thioketones. <i>Journal of Organic Chemistry</i> , 2008, 73, 2256-2263.	3.2	30
77	Synthesis and Reactivity of 3-Methylsulfinyl-2H-cyclohepta[b]furan-2-ones. <i>Heterocycles</i> , 2008, 76, 759.	0.7	6
78	Synthesis, Stabilities, and Redox Behavior of Mono-, Di-, and Tetracations Composed of Di(1-azulenyl)methylum Units Connected to a Benzene Ring by Phenyl- and 2-Thienylacetylene Spacers. A Concept of a Cyanine-Cyanine Hybrid as a Stabilized Electrochromic System. <i>Journal of Organic Chemistry</i> , 2007, 72, 162-172.	3.2	22
79	Synthesis of heteroarylazulenes: transition metal free coupling strategy of azulene with heterocycles. <i>Tetrahedron Letters</i> , 2007, 48, 1099-1103.	1.4	37
80	Synthesis of 5-heteroarylazulenes: first selective electrophilic substitution at the 5-position of azulene. <i>Tetrahedron Letters</i> , 2007, 48, 3009-3012.	1.4	26
81	The novel transition metal free synthesis of 1,1-biazulene. <i>Tetrahedron Letters</i> , 2007, 48, 4999-5002.	1.4	36
82	A Novel Approach to 5,5-Diisopropyl-3,3-bi-2H-cyclohepta[b]furan-2-one. <i>Heterocycles</i> , 2007, 73, 237.	0.7	6
83	Reaction of 2H-Cyclohepta[b]furan-2-ones with Pyridinium Salts of Trifluoromethanesulfonic Anhydride. <i>Heterocycles</i> , 2006, 69, 119.	0.7	11
84	Synthesis of Azulen-3-ylheterocyclic Compounds Using 2-(3-Methoxycarbonylazulen-1-yl)ethynyltriphenylphosphonium Bromide. <i>ChemInform</i> , 2005, 36, no.	0.0	0
85	The Synthesis of Heteroarylazulene. <i>Heterocycles</i> , 2005, 66, 91.	0.7	19
86	Synthesis of Azulen-3-ylheterocyclic Compounds Using 2-(3-Methoxycarbonylazulen-1-yl)ethynyltriphenylphosphonium Bromide. <i>Heterocycles</i> , 2004, 64, 305.	0.7	11