

# Arif Dastan

## List of Publications by Year in descending order

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79  
papers

1,745  
citations

331259

21  
h-index

301761

39  
g-index

82  
all docs

82  
docs citations

82  
times ranked

1500  
citing authors

#	ARTICLE	IF	CITATIONS
1	Environmentally benign synthesis of heterocyclic compounds by combined microwave-assisted heterogeneous catalytic approaches. <i>Green Chemistry</i> , 2012, 14, 17-37.	4.6	216
2	Carbonic anhydrase inhibitors. Inhibition of human erythrocyte isozymes I and II with a series of antioxidant phenols. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 3207-3211.	1.4	207
3	Oxidation of cyanobenzocycloheptatrienes: Synthesis, photooxygenation reaction and carbonic anhydrase isoenzymes inhibition properties of some new benzotropone derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 3537-3543.	1.4	110
4	Novel eugenol derivatives: Potent acetylcholinesterase and carbonic anhydrase inhibitors. <i>International Journal of Biological Macromolecules</i> , 2017, 94, 845-851.	3.6	100
5	Synthesis of dimeric phenol derivatives and determination of <i>in vitro</i> antioxidant and radical scavenging activities. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2007, 22, 685-695.	2.5	77
6	Functionalization of Benzonorbadiene: High-Temperature Bromination and Electrochemical Oxidation. <i>Journal of Organic Chemistry</i> , 1994, 59, 6534-6538.	1.7	60
7	High temperature bromination VI: Bromination of benzobarrelene. <i>Tetrahedron</i> , 1994, 50, 10555-10578.	1.0	47
8	Trapping of Organophosphorus Chemical Nerve Agents in Water with Amino Acid Functionalized Baskets. <i>Chemistry - A European Journal</i> , 2014, 20, 4251-4256.	1.7	41
9	High Temperature Bromination. Part 12: Bromination of 7-Oxabenzonorbadiene: Synthesis of 2,3-Dibromo-7-oxabenzonorbadiene. <i>Tetrahedron</i> , 2000, 56, 6115-6120.	1.0	40
10	Synthesis of Some Novel Norbornene-Fused Pyridazines as Potent Inhibitors of Carbonic Anhydrase and Acetylcholinesterase. <i>Journal of Heterocyclic Chemistry</i> , 2016, 53, 2049-2056.	1.4	39
11	Graphene-supported NiPd alloy nanoparticles: A novel and highly efficient heterogeneous catalyst system for the reductive amination of aldehydes. <i>Journal of Molecular Catalysis A</i> , 2015, 409, 191-197.	4.8	35
12	Synthesis of 2,3-dibromobenzonorbadiene and its cyclotrimerization into 5,18:6,11:12,17-trimethanotrinaphthylene. <i>Tetrahedron Letters</i> , 1997, 38, 5319-5322.	0.7	34
13	Heterogeneous Catalytic Reductive Amination of Carbonyl Compounds with Ni-Al Alloy in Water as Solvent and Hydrogen Source. <i>Synthesis</i> , 2016, 48, 3127-3133.	1.2	28
14	High temperature bromination VIII: Bromination of homobenzonorbadiene. <i>Tetrahedron</i> , 1996, 52, 14005-14020.	1.0	27
15	Bromination of benzhomobarrelene derivatives: 10. High temperature bromination. <i>Tetrahedron</i> , 1997, 53, 14451-14462.	1.0	27
16	A New Method for the Synthesis of Stipitatic Acid Isomers: Photooxygenation of Ethyl 6H-Cyclohepta[d][1,3]dioxole-6-carboxylate. <i>European Journal of Organic Chemistry</i> , 2001, 2001, 3519-3522.	1.2	27
17	Synthesis of cyclopentadiene derivatives by retro-Diels-Alder reaction of norbornadiene derivatives. <i>Tetrahedron</i> , 2015, 71, 1966-1970.	1.0	27
18	One hundred years of benzotropone chemistry. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 1120-1180.	1.3	25

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19	Bromination of benzobicyclic system with 1,2-dibromotetrachloroethane: unusual radical rearrangement. <i>Tetrahedron</i> , 2001, 57, 8725-8732.	1.0	24
20	Bromination of naphthalene and derivatives: High temperature bromination XI. <i>Tetrahedron</i> , 1999, 55, 12853-12864.	1.0	22
21	Bromination of norbornene derivatives: synthesis of brominated norbornanes and norbornenes. <i>Tetrahedron</i> , 2008, 64, 4377-4383.	1.0	22
22	Effective bromo and chloro peroxidation catalysed by tungsten( $\nu$ ) amino triphenolate complexes. <i>Dalton Transactions</i> , 2016, 45, 14603-14608.	1.6	22
23	The Di- $\pi$ -methane Photorearrangement of 2,3-Disubstituted Benzobarrelenes and Benzonorbornadiene $\hat{\sim}$ Substituent Effects in Regioselectivity. <i>European Journal of Organic Chemistry</i> , 2002, 2002, 526-533.	1.2	21
24	Chemistry of the Benzotropone Endoperoxides and Their Conversion into Tropolone Derivatives: Unusual Endoperoxide Rearrangements. <i>Helvetica Chimica Acta</i> , 2005, 88, 830-838.	1.0	21
25	Design, synthesis, characterization, and anticancer activity of a novel series of O-substituted chalcone derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 35, 127827.	1.0	20
26	Novel and versatile protocol for the preparation of functionalized benzocyclotrimers. <i>Tetrahedron Letters</i> , 2009, 50, 1989-1991.	0.7	19
27	A Molecular Claw: A Dynamic Cavitand Host. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11313-11316.	7.2	19
28	Access to polysubstituted naphthalenes and anthracenes via a retro-Diels-Alder reaction. <i>Tetrahedron</i> , 2017, 73, 5537-5546.	1.0	19
29	An Investigation on the Synthesis of New Molecular Architectures from the Cyclotrimerisation of exo- and endo-Benzotricyclo[4.2.1.0 <sup>2,5</sup> ]nonene. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 183-192.	1.2	17
30	High temperature bromination. Part 18: Bromination of benzonorbornadiene derivatives: Polybrominated benzonorbornenes and benzonorbornadienes. <i>Tetrahedron</i> , 2005, 61, 5481-5488.	1.0	17
31	Chemistry of dioxine-annelated cycloheptatriene endoperoxides and their conversion into tropolone derivatives: an unusual non-benzenoid singlet oxygen source. <i>Tetrahedron</i> , 2006, 62, 4003-4010.	1.0	17
32	Synthesis and structure elucidation of bromination products from dibromohomobenzonorbornadienes: high temperature bromination? Part 17. <i>Magnetic Resonance in Chemistry</i> , 2005, 43, 75-81.	1.1	16
33	The Effect of the Double Bond Pyramidalization on the Mode of the Bromination Reaction: $\hat{\sim}$ Bromination of Benzobicyclononadiene. <i>Journal of Organic Chemistry</i> , 2007, 72, 4756-4762.	1.7	15
34	Title is missing!. <i>Helvetica Chimica Acta</i> , 2002, 85, 2729-2739.	1.0	14
35	Cyclotrimerization of $\hat{\sim}$ Oxabenzonorbornadiene $\hat{\sim}$ TM: Synthesis of syn-anti-5,6,11,12,17,18-Hexahydro-5,18:6,11:12,17-triepoxytrinaphthylene. <i>Helvetica Chimica Acta</i> , 2004, 87, 2364-2367.	1.0	14
36	Oxidation of some alkoxy-cycloheptatriene derivatives: unusual formation of furan and furanoids from cycloheptatrienes. <i>Tetrahedron</i> , 2007, 63, 4944-4950.	1.0	14

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37	Dihydropyridazine-appended dibenzosuberones as a new class of fluorophores: Application to fluoride sensing. <i>Tetrahedron Letters</i> , 2017, 58, 2981-2985.	0.7	14
38	Unexpected regioselectivity observed in the bromination and epoxidation reactions of p-benzoquinone-fused norbornadiene: An experimental and computational study. <i>Tetrahedron</i> , 2017, 73, 1640-1649.	1.0	13
39	A NEW AND EFFICIENT SYNTHESIS OF INDENONE. <i>Synthetic Communications</i> , 2001, 31, 1993-1999.	1.1	12
40	Cyclotrimerization of Benzobarrelene: Synthesis of New Isomeric Barrelene Architectures. <i>Helvetica Chimica Acta</i> , 2003, 86, 3411-3416.	1.0	12
41	Aromatic stacking of a perylenetetracarboxylic tetraester: Self-assembly in both water and chloroform. <i>Tetrahedron Letters</i> , 2018, 59, 3558-3562.	0.7	11
42	Monodisperse CuPt alloy nanoparticles assembled on reduced graphene oxide as catalysts in the transfer hydrogenation of various functional organic groups. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4863.	1.7	11
43	Bromination of 2,3-Dibromobenzobarrelene: A New and efficient Synthesis of 2,3,5-tribromobenzobarrelene. <i>Journal of Chemical Research</i> , 2001, 2001, 463-464.	0.6	10
44	Bromination of Decalin and Its Derivatives. 9. High Temperature Bromination. <i>Journal of Organic Chemistry</i> , 1997, 62, 4018-4022.	1.7	9
45	Twisted Baskets. <i>Chemistry - A European Journal</i> , 2015, 21, 3550-3555.	1.7	9
46	The Dibenzosuberone Scaffold as a Privileged Substructure: From Synthesis to Application. <i>Synthesis</i> , 2018, 50, 391-439.	1.2	9
47	Transition Metal-Free Heteroarylation of Quinoxaline: Construction of Heteroaryl-Fused Phenazines by Oxidative Coupling. <i>Journal of Organic Chemistry</i> , 2020, 85, 15502-15513.	1.7	9
48	Substituent effects of the cycloaddition reaction of 7-substituted 5H-benzocycloheptenes with singlet oxygen and the chemistry of the benzocycloheptene endoperoxides. <i>Canadian Journal of Chemistry</i> , 2005, 83, 227-235.	0.6	8
49	The first and efficient synthesis of some of the polyhalogenated benzobarrelenes: unusual formation of a benzosemibullvalene derivative. <i>Tetrahedron</i> , 2009, 65, 4859-4865.	1.0	8
50	Design, synthesis, and characterization of a new class of efficient dihydropyridazine-dibenzosuberone derived fluorescent dyes and investigation of their some photophysical properties. <i>Tetrahedron</i> , 2020, 76, 131271.	1.0	8
51	A NEW AND SHORT SYNTHESIS OF 7 H-BENZO[a]CYCLOHEPTEN-7-ONE AND SOME DERIVATIVES: OXIDATION OF 7-BROMO-5H-BENZO[a]CYCLOHEPTENE. <i>Synthetic Communications</i> , 2001, 31, 3807-3815.	1.1	7
52	Bromination of quinoxaline and derivatives: Effective synthesis of some new brominated quinoxalines. <i>Tetrahedron</i> , 2017, 73, 1618-1632.	1.0	7
53	Synthesis of Pyridazine and Pyrrole Analogues of 2-aminotetralin as Potential Dopaminergics. <i>Journal of Heterocyclic Chemistry</i> , 2018, 55, 1489-1493.	1.4	7
54	Synthesis of dibenzosuberone-based novel polycyclic $\pi$ -conjugated dihydropyridazines, pyridazines and pyrroles. <i>Beilstein Journal of Organic Chemistry</i> , 2021, 17, 719-729.	1.3	7

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55	Low and high temperature bromination of 2,3-dicarbomethoxy and 2,3-dicyano benzobarrelene: unexpected substituent effect on bromination. <i>New Journal of Chemistry</i> , 2010, 34, 141-150.	1.4	6
56	Synthesis and use of bay-region tetrasubstituted perylene tetracarboxylic tetraesters and a perylene monoimide diester as energy acceptors. <i>New Journal of Chemistry</i> , 2015, 39, 548-554.	1.4	6
57	One-pot homo- and cross-coupling of diazanaphthalenes via C-H substitution: Synthesis of Bis- and Tris-diazanaphthalenes. <i>Journal of Heterocyclic Chemistry</i> , 2020, 57, 4013-4022.	1.4	6
58	Synthesis and Diels-Alder cycloaddition reaction of norbornadiene and benzonorbornadiene dimers. <i>Beilstein Journal of Organic Chemistry</i> , 2009, 5, 39.	1.3	5
59	Bromination of Endo- and Exo-benzocyclobutenonorbornene Derivatives: Neighbour Group Effect on Bromination. <i>Journal of Chemical Research</i> , 2005, 2005, 348-351.	0.6	4
60	Hemisythesis and Spectroscopic Characterization of Three New Chalcone Derivatives from <i>Dorstenia barteri</i> . <i>Chemistry of Natural Compounds</i> , 2017, 53, 241-247.	0.2	4
61	Synthesis of <i>N</i> -substituted dibenzoazepine-pyridazine derivatives as potential neurologically active drugs. <i>Synthetic Communications</i> , 2020, 50, 3845-3853.	1.1	4
62	Synthesis and structural characterization of novel O-substituted phenolic and chalcone derivatives with antioxidant activity. <i>Journal of Chemical Research</i> , 2021, 45, 159-165.	0.6	4
63	Recent Advances in the Transition-Metal-Free Arylation of Heteroarenes. <i>Synthesis</i> , 2021, 53, 4353-4374.	1.2	4
64	(1 <i>R</i> ,2 <i>R</i> ,3 <i>R</i> ,4 <i>R</i> ,9 <i>R</i> )-1,2,3,9-Tetrabromo-1,2,3,4-tetrahydro-1,4-methanonaphthalene. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, o3483-o3485.	0.2	3
65	Nucleophilic substitution of bromonorbornenes and derivatives by electron transfer reactions. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 955-965.	1.5	3
66	Dibenzosuberenone-Based Photo- and Thermochromic Switches, a Transformation: Rearrangement of Dibenzosuberenones to Spiro Anthrones. <i>Organic Letters</i> , 2021, 23, 4483-4487.	2.4	3
67	Bromination of Isomeric 7,8-dibromobenzobicyclo[2.2.2]octa-2,5-dienes: Neighbouring Group Effect on Bromination. <i>Journal of Chemical Research</i> , 2005, 2005, 608-612.	0.6	2
68	( $\hat{A}$ ±)-(1 <i>R</i> ,8 <i>R</i> S,10 <i>R</i> S)-9,9,10-Tribromotricyclo[6.2.1.0 <sup>2,7</sup> ]undeca-2,4,6-triene. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2005, 61, o263-o265.	0.2	2
69	High Temperature Bromination of Benzobicyclo[2.2.2]Octa-2,5-Diene Derivatives: Alternative Synthesis of Di-, Tri- and Tetra-Bromobenzobarrelenes. <i>Journal of Chemical Research</i> , 2006, 2006, 104-109.	0.6	2
70	Norbornanoid Chiral Ketones by Desymmetrization of Dibromoalkenes. <i>Helvetica Chimica Acta</i> , 2014, 97, 537-545.	1.0	2
71	Synthesis of a Novel Benzocyclotrimer with One Rigid and One Flexible Electron-Rich Cavity. <i>Helvetica Chimica Acta</i> , 2015, 98, 1067-1074.	1.0	2
72	Transition-Metal-Free Synthesis of $\hat{A}$ -Alkynylquinazolines. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	1.2	2

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73	Stereoconvergent Generation of a Contrasteric <i>syn</i> -Bicyclopropylidene (= <i>syn</i> -Cyclopropylidenecyclopropane) by <i>Stille</i> -Like Coupling. <i>Helvetica Chimica Acta</i> , 2013, 96, 941-950.	1.0	1
74	High temperature bromination IV(). Bromination of benzonorborene and benzobarrelene. <i>Industrial Chemistry Library</i> , 1995, 7, 65-76.	0.1	0
75	(1 <i>RS</i> ,8 <i>SR</i> ,9 <i>RS</i> ,10 <i>RS</i> ,11 <i>RS</i> ,12 <i>RS</i> )-10,11-Dibromotetracyclo[6.4.2.0 <sup>2,7</sup> .0 <sup>9,12</sup> ]tetradeca-2,4,6,13-tetraene. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2004, 60, o703-o705.	0.2	0
76	Crystal Structure of (1 <i>RS</i> ,2 <i>SR</i> ,3 <i>SR</i> ,4 <i>SR</i> ,9 <i>RS</i> )-1,2,3,9-Tetrabromo-1,2,3,4-tetrahydro-1,4-methanonaphthalene. <i>Analytical Sciences: X-ray Structure Analysis Online</i> , 2007, 23, X133-X134.	0.1	0
77	1,2-Dibromotetrachloroethane: an efficient reagent for many transformations by modified Appel reaction. <i>Turkish Journal of Chemistry</i> , 2019, 43, 150-156.	0.5	0
78	Highly diastereoselective synthesis of a novel functionalized benzocyclotrimer. <i>Arkivoc</i> , 2019, 2018, 134-143.	0.3	0
79	Theoretical Studies on the Mechanism of the Formation of Cyclopentadienes and Dihydropyridazines. <i>ChemistrySelect</i> , 2021, 6, 9806-9813.	0.7	0