

Mustafa Durgun

List of Publications by Year in descending order

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78
papers

1,826
citations

270111

25
h-index

355658

38
g-index

80
all docs

80
docs citations

80
times ranked

1760
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel inhibitors with sulfamethazine backbone: synthesis and biological study of multi-target cholinesterases and α -glucosidase inhibitors. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 8752-8764.	2.0	54
2	Synthesis of novel photoreactive bis(dithiocarbonate) type xanthates as chain transfer agents and their use in MADIX polymerization of styrene. <i>Polymer Bulletin</i> , 2022, 79, 7635-7654.	1.7	1
3	In silico investigation of Alliin as potential activator for AMPA receptor. <i>Biomedical Physics and Engineering Express</i> , 2022, 8, 015002.	0.6	2
4	Intracellular pH-mediated induction of apoptosis in HeLa cells by a sulfonamide carbonic anhydrase inhibitor. <i>International Journal of Biological Macromolecules</i> , 2022, 201, 37-46.	3.6	10
5	The effect of a bis-structured Schiff base on apoptosis, cytotoxicity, and DNA damage of breast cancer cells. <i>Journal of Biochemical and Molecular Toxicology</i> , 2022, 36, .	1.4	8
6	Benzenesulfonamide derivatives as potent acetylcholinesterase, α -glucosidase, and glutathione S-transferase inhibitors: biological evaluation and molecular docking studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 5449-5460.	2.0	69
7	Synthesis, Characterization, and Inhibition Study of Novel Substituted Phenylureido Sulfaguanidine Derivatives as α -Glucosidase and Cholinesterase Inhibitors. <i>Chemistry and Biodiversity</i> , 2021, 18, e2000958.	1.0	67
8	Interactions Between Sedative, Analgesic and Anaesthetic Drugs with SARS-CoV-2, ACE-2 and SARS-CoV-2- ACE-2 Complex. <i>Türk Yoğun Bakım Dergisi</i> , 2021, .	0.1	1
9	Inhibition of Carbonic Anhydrase IX Promotes Apoptosis through Intracellular pH Level Alterations in Cervical Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6098.	1.8	24
10	Molecular Docking Demonstration of the Liquorice Chemical Molecules on the Protease and ACE2 of COVID-19 Virus. <i>Current Enzyme Inhibition</i> , 2021, 17, 98-110.	0.3	5
11	Biological effects of bis-hydrazone compounds bearing isovanillin moiety on the aldose reductase. <i>Bioorganic Chemistry</i> , 2021, 117, 105473.	2.0	43
12	Determination of Antibacterial Properties of Some Sulfonamide Compounds by Molecular Docking. <i>SDU Journal of Science</i> , 2021, 16, 458-467.	0.1	1
13	Molecular docking and investigation of 4-(benzylideneamino)- and 4-(benzylamino)-benzenesulfonamide derivatives as potent AChE inhibitors. <i>Chemical Papers</i> , 2020, 74, 1395-1405.	1.0	57
14	Benzenesulfonamide derivatives containing imine and amine groups: Inhibition on human paraoxonase and molecular docking studies. <i>International Journal of Biological Macromolecules</i> , 2020, 146, 1111-1123.	3.6	61
15	Synthesis, characterization, inhibition effects, and molecular docking studies as acetylcholinesterase, α -glucosidase, and carbonic anhydrase inhibitors of novel benzenesulfonamides incorporating 1,3,5-triazine structural motifs. <i>Bioorganic Chemistry</i> , 2020, 100, 103897.	2.0	125
16	Synthesis, characterization, biological evaluation, and in silico studies of novel 1,3,5-triazine-substituted sulfathiazole derivatives. <i>Archiv Der Pharmazie</i> , 2020, 353, e2000102.	2.1	59
17	Synthesis, characterisation, biological evaluation and <i>in silico</i> studies of sulphonamide Schiff bases. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020, 35, 950-962.	2.5	70
18	Synthesis and characterization of an A2B2-type miktoarm star copolymer based on poly(ϵ -caprolactone) and poly(cyclohexene oxide). <i>Polymer Bulletin</i> , 2019, 76, 553-573.	1.7	4

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19	Synthesis and characterization of well-defined end-chain functional macrophotoinitiators of polystyrene and polyacrylonitrile by RAFT/MADIX polymerization. <i>European Polymer Journal</i> , 2019, 119, 102-113.	2.6	16
20	Mg doping levels and annealing temperature induced structural, optical and electrical properties of highly c-axis oriented ZnO:Mg thin films and Al/ZnO:Mg/p-Si/Al heterojunction diode. <i>Thin Solid Films</i> , 2019, 680, 20-30.	0.8	74
21	The chiral boronate-catalyzed asymmetric transfer hydrogenation of various aromatic ketones to high-value alcohols: Preparation and spectroscopic studies. <i>Journal of Organometallic Chemistry</i> , 2019, 890, 1-12.	0.8	14
22	Evaluation of the anticancer potential of a sulphonamide carbonic anhydrase IX inhibitor on cervical cancer cells. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2019, 34, 703-711.	2.5	20
23	Assessment of the antiproliferative and apoptotic roles of sulfonamide carbonic anhydrase IX inhibitors in HeLa cancer cell line. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2019, 34, 75-86.	2.5	25
24	Synthesis and cytotoxic activities of novel copper and silver complexes of 1,3-diaryltriazene-substituted sulfonamides. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2019, 34, 110-116.	2.5	24
25	Solution processed boron doped ZnO thin films: influence of different boron complexes. <i>Materials Research Express</i> , 2019, 6, 035903.	0.8	27
26	Different Hemi-Salen/Salan Ligand Containing Binuclear Boron-Fluoride Complexes: Synthesis, Spectroscopy, Fluorescence Properties, and Catalysis. <i>Polycyclic Aromatic Compounds</i> , 2019, 39, 248-265.	1.4	14
27	Novel Fluorine Boron Hybrid Complex as Potential Antiproliferative Drugs on Colorectal Cancer Cell Line. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2019, 19, 627-637.	0.9	10
28	Teaching of the NOS in Physics and Chemistry Education: Odds and Evens. <i>Harran Education Journal</i> , 2019, 4, 65-85.	0.1	0
29	The cytotoxic, apoptotic and oxidative effects of carbonic anhydrase IX inhibitor on colorectal cancer cells. <i>Journal of Bioenergetics and Biomembranes</i> , 2018, 50, 107-116.	1.0	20
30	The synthesis and investigation of different cobaloximines by spectroscopic methods. <i>Journal of Molecular Structure</i> , 2018, 1174, 25-31.	1.8	10
31	Synthesis and characterization of novel positively charged organocobaloximes as catalysts for the fixation of CO ₂ to cyclic carbonates. <i>Journal of Organometallic Chemistry</i> , 2018, 858, 78-88.	0.8	31
32	Synthesis and Characterization of the Hemi-Salen Ligands and Their Triboron Complexes: Spectroscopy and Examination of Anticancer Properties. <i>Chemistry and Biodiversity</i> , 2018, 15, e1700428.	1.0	12
33	Antiproliferative and Apoptotic Role of Novel Synthesized Cu(II) Complex with 3-(3-(4-fluorophenyl)Triaz-1-en-1-yl) Benzenesulfonamide in Common Cancer Models. <i>Anticancer Research</i> , 2018, 38, 5115-5120.	0.5	11
34	Selective inhibition of carbonic anhydrase-IX by sulphonamide derivatives induces pH and reactive oxygen species-mediated apoptosis in cervical cancer HeLa cells. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018, 33, 1137-1149.	2.5	27
35	Synthesis of benzoin end-chain functional macrophotoinitiator of poly(d,l-lactide) homopolymer and poly(μ -caprolactone)-poly(d,l-lactide) diblock copolymer by ROP and their use in photoinduced free radical promoted cationic copolymerization. <i>Polymer Bulletin</i> , 2017, 74, 167-181.	1.7	11
36	Dicobaloxime/organodicobaloximes bridged by different axial groups: synthesis, characterization, spectroscopy, and catalysis. <i>Chemical Papers</i> , 2017, 71, 1705-1720.	1.0	7

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37	Synthesis, characterization, in vitro cytotoxicity and antimicrobial investigation and evaluation of physicochemical properties of novel 4-(2-methylacetamide)benzenesulfonamide derivatives. <i>Bioorganic Chemistry</i> , 2017, 70, 163-172.	2.0	18
38	Two-arm PCL and PLLA macrophotoinitiators with benzoin end-functional groups by combination of ROP and click chemistry and their use in the synthesis of A2B2 type miktoarm star copolymers. <i>Polymer</i> , 2017, 123, 153-168.	1.8	20
39	The apoptotic, cytotoxic and genotoxic effect of novel binuclear boron-fluoride complex on endometrial cancer. <i>BioMetals</i> , 2017, 30, 933-944.	1.8	20
40	Synthesis and biological evaluation of histamine Schiff bases as carbonic anhydrase I, II, IV, VII, and IX activators. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2017, 32, 1305-1312.	2.5	52
41	The Protective Effect of Naringenin-Oxime on Cisplatin-Induced Toxicity in Rats. <i>Biochemistry Research International</i> , 2017, 2017, 1-9.	1.5	44
42	Design, synthesis and characterization of novel dioxime ligand-based cobaloxime compounds for application in the coupling of CO ₂ with epoxides. <i>New Journal of Chemistry</i> , 2016, 40, 7901-7910.	1.4	21
43	Synthesis of 4-sulfamoylphenyl-benzylamine derivatives with inhibitory activity against human carbonic anhydrase isoforms I, II, IX and XII. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 982-988.	1.4	33
44	Synthesis, molecular structure, spectroscopic characterization, NBO, NLO and NPA analysis and in vitro cytotoxicity study of 3-chloro-N-(4-sulfamoylphenethyl)propanamide with experimental and computational study. <i>Journal of Molecular Structure</i> , 2016, 1114, 95-107.	1.8	20
45	One-step synthesis of a mid-chain functional macrophotoinitiator of a polystyrene-poly(ϵ -caprolactone) diblock copolymer via simultaneous ATRP and ROP using a dual-functional photoinitiator. <i>Polymer Journal</i> , 2016, 48, 139-145.	1.3	12
46	Synthesis of the Multinuclear Cobaloxime Complexes via Click Chemistry as Catalysts for the Formation of Cyclic Carbonates from Carbon Dioxide and Epoxides. <i>Journal of Chemical Sciences</i> , 2015, 127, 1665-1674.	0.7	5
47	Synthesis, spectroscopic and catalytic properties of some new boron hybrid molecule derivatives by BF ₂ and BPh ₂ chelation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 142, 62-72.	2.0	21
48	Theoretical and experimental investigation of 4-[(2-hydroxy-3-methylbenzylidene)amino]benzenesulfonamide: Structural and spectroscopic properties, NBO, NLO and NPA analysis. <i>Journal of Molecular Structure</i> , 2015, 1089, 222-232.	1.8	35
49	Synthesis of Schiff base derivatives of 4-(2-aminoethyl)-benzenesulfonamide with inhibitory activity against carbonic anhydrase isoforms I, II, IX and XII. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 2377-2381.	1.0	37
50	Synthesis of mid-chain functional macrophotoinitiators of poly(D,L-lactide) homopolymer and tetrablock poly(D,L-lactide)-poly(ϵ -caprolactone) copolymer by ring-opening polymerization. <i>Designed Monomers and Polymers</i> , 2015, 18, 669-677.	0.7	6
51	Mono/multinuclear cobaloxime and organocobaloxime-catalyzed conversion of CO ₂ and epoxides to cyclic organic carbonates: Synthesis and characterization. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 24, 98-106.	2.9	25
52	The synthesis, characterization, and electrochemistry of molecular cobaloxime/organocobaloxime: catalysts for cycloaddition of carbon dioxide and epoxides. <i>Journal of Coordination Chemistry</i> , 2014, 67, 2661-2679.	0.8	17
53	4-[[4-(Dimethylamino)benzylidene]amino]benzenesulfonamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, o726-o727.	0.2	3
54	The multinuclear cobaloxime complexes-based catalysts for direct synthesis of cyclic carbonate from of epichlorohydrin using carbon dioxide: Synthesis and characterization. <i>Inorganica Chimica Acta</i> , 2014, 411, 17-25.	1.2	30

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55	Ketone synthesized cobaloxime/organocobaloxime catalysts for cyclic carbonate synthesis from CO ₂ and epoxides: Characterization and electrochemistry. <i>Journal of Organometallic Chemistry</i> , 2014, 767, 150-159.	0.8	28
56	Fluorine/phenyl chelated boron complexes: Synthesis, fluorescence properties and catalyst for transfer hydrogenation of aromatic ketones. <i>Journal of Fluorine Chemistry</i> , 2014, 162, 9-16.	0.9	29
57	The coupling of carbon dioxide and epoxides by phenanthroline derivatives containing different Cu(II) complexes as catalyst. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 113, 432-438.	2.0	12
58	Synthesis, characterization, electrochemical properties and conversions of carbon dioxide to cyclic carbonates mononuclear and multinuclear oxime complexes using as catalyst. <i>Inorganica Chimica Acta</i> , 2013, 394, 635-644.	1.2	17
59	4-(3-Chloro-2,2-dimethylpropanamido)benzenesulfonamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o3430-o3430.	0.2	3
60	4-(5-Chloropentanamido)benzenesulfonamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o3475-o3476.	0.2	0
61	4-[3-(4-Methylpiperidin-1-yl)propanamido]benzenesulfonamide monohydrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o3481-o3481.	0.2	0
62	Synthesis of new boron complexes: application to transfer hydrogenation of acetophenone derivatives. <i>Applied Organometallic Chemistry</i> , 2011, 25, 390-394.	1.7	29
63	Silicon containing new salicylaldimine Pd(II) and Co(II) metal complexes as efficient catalysts in transformation of carbon dioxide (CO ₂) to cyclic carbonates. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 1372-1379.	0.8	37
64	The properties of the new Mn(II)-Co(II)-Mn(II)-type hetero-trinuclear oxime metal complexes with N ₄ and N ₄ O ₂ ligands. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2010, 67, 423-429.	1.6	3
65	Hetero- and homo-oleptic Ru(II) catalyzed synthesis of cyclic carbonates from CO ₂ ; Synthesis, spectroscopic characterization and electrochemical properties. <i>Applied Organometallic Chemistry</i> , 2010, 24, 446-453.	1.7	17
66	Cu(II), Co(II), Ni(II), Mn(II), and Fe(II) metal complexes containing N,N'-((3,4-diaminobenzophenon)-3,5-But-2-salicylaldimine ligand: Synthesis, structural characterization, thermal properties, electrochemistry, and spectroelectrochemistry. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 75, 811-818.	2.0	41
67	The orthopalladation dinuclear [Pd(L1)(1/4-OAc)] ₂ , [Pd(L2)(1/4-OAc)] ₂ and mononuclear [Pd(L3)] ₂ complexes with [N, C, O] or [N, O] containing ligands: Synthesis, spectral characterization, electrochemistry and catalytic properties. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 697-706.	0.8	26
68	Conversion of CO ₂ into Cyclic Carbonates in the Presence of Metal Complexes as Catalysts. <i>Journal of Chemical Research</i> , 2010, 34, 622-626.	0.6	8
69	Synthesis, Spectral Characterization and Electrochemical Investigations of Mononuclear Cu (II), Ni (II) and Co (II) Metal Complexes Containing Different New vic-dioxime Groups. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2009, 39, 379-387.	0.6	4
70	Synthesis, structural characterization, electrochemistry and spectroelectrochemistry of dinuclear copper(II) metal complexes stabilized by a tetradentate NOOO salicylaldimine ligands. <i>Journal of Molecular Structure</i> , 2009, 927, 69-77.	1.8	17
71	Mono- and dinuclear Pd(II) complexes of different salicylaldimine ligands as catalysts of transfer hydrogenation of nitrobenzene with cyclohexene and Suzuki-Miyaura coupling reactions. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 446-454.	0.8	36
72	Novel vic-dioxime ligands and their poly-metal complexes bearing 1,8-diamino-3,6-dioxaoctane: synthesis, characterization, spectroscopy and electrochemistry. <i>Transition Metal Chemistry</i> , 2008, 33, 29-37.	0.7	23

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73	Carbonic Anhydrase Inhibitors. Novel Sulfanilamide/Acetazolamide Derivatives Obtained by the Tail Approach and Their Interaction with the Cytosolic Isozymes I and II, and the Tumor-Associated Isozyme IX.. ChemInform, 2005, 36, no.	0.1	0
74	Carbonic anhydrase inhibitors. Novel sulfanilamide/acetazolamide derivatives obtained by the tail approach and their interaction with the cytosolic isozymes I and II, and the tumor-associated isozyme IX. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 367-372.	1.0	56
75	Synthesis and Characterization of [2-Oxo-2-(4-methyl)phenyl amino]ethylene Methacrylate- σ -styrene Copolymers and Determination of Monomer Reactivity Ratios. Polymer Journal, 2004, 36, 303-309.	1.3	3
76	Determination of kinetic parameters of crystal growth rate of borax in aqueous solution by using the rotating disc technique. Journal of Crystal Growth, 2004, 270, 604-614.	0.7	3
77	The Novel bis-dioxime-based and Boronic acid-capped Groups Containing Fe(II) and Co(II) Complexes: Synthesis, Characterization, and Spectroscopy. Journal of the Turkish Chemical Society, Section A: Chemistry, 0, , 11-22.	0.4	0
78	Evaluation of Some Sulfonamide Derivatives as a Potential Inhibitors of The Carbonic Anhydrase IX/XII by ADME and Molecular Docking Method. AdÄ±yaman University Journal of Science, 0, , .	0.0	0