

Ahmet Kilic

List of Publications by Year in descending order

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72
papers

1,511
citations

257450

24
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414414

32
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74
all docs

74
docs citations

74
times ranked

1108
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, electrochemical and in situ spectroelectrochemical studies of new transition metal complexes with two new Schiff-bases containing N2O2/N2O4 donor groups. <i>Polyhedron</i> , 2007, 26, 4009-4018.	2.2	59
2	The sterically hindered salicylaldimine ligands with their copper(II) metal complexes: Synthesis, spectroscopy, electrochemical and thin-layer spectroelectrochemical features. <i>Polyhedron</i> , 2008, 27, 1024-1032.	2.2	52
3	Mannich reaction derived novel boron complexes with amine-bis(phenolate) ligands: Synthesis, spectroscopy and in vitro/in silico biological studies. <i>Journal of Organometallic Chemistry</i> , 2020, 927, 121542.	1.8	46
4	Multinuclear Cu(II) Schiff Base Complex as Efficient Catalyst for the Chemical Coupling of CO ₂ and Epoxides: Synthesis, X-ray Structural Characterization and Catalytic Activity. <i>Catalysis Letters</i> , 2011, 141, 717-725.	2.6	44
5	Synthesis, characterization and redox properties of macrocyclic Schiff base by reaction of 2,6-diaminopyridine and 1,3-bis(2-carboxyaldehyde phenoxy)propane and its CuI, NiII, PbII, CoIII and LaIII complexes. <i>Transition Metal Chemistry</i> , 2007, 32, 344-349.	1.4	43
6	Synthesis and spectral characterization of macrocyclic NiII complexes derived from various diamines, NiII perchlorate and 1,4-bis(2-carboxyaldehydephenoxy)butane. <i>Transition Metal Chemistry</i> , 2007, 32, 1012-1017.	1.4	41
7	Synthesis, Spectral Characterization and Electrochemical Properties of New vic-dioxime Complexes Bearing Carboxylate. <i>Transition Metal Chemistry</i> , 2006, 31, 645-652.	1.4	40
8	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.	1.8	37
9	Preparation, Characterisation and Redox Properties of Four New Tetradentate Salicylaldimines with their Cu(II) Complexes. <i>Journal of Chemical Research</i> , 2006, 2006, 242-245.	1.3	36
10	Ru(II) with chelating containing N4-type donor quadridentate Pd-oxime metal complexes: Syntheses, spectral characterization, thermal and catalytic properties. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 2835-2842.	1.8	36
11	Pd(II) supported dioxime functionalized Fe ₃ O ₄ nanoparticles as efficient, eco-friendly and reusable catalysts for the Suzuki-Miyaura cross-coupling reaction in water. <i>Journal of Organometallic Chemistry</i> , 2019, 896, 129-138.	1.8	36
12	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.	3.6	35
13	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.	1.8	31
14	Neutral boron [(L1-3)BPh ₂] and cationic charged boron [(L1a-3a)BPh ₂] complexes for chemical CO ₂ conversion to obtain cyclic carbonates under ambient conditions. <i>Sustainable Energy and Fuels</i> , 2019, 3, 1066-1077.	4.9	31
15	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.	2.4	30
16	Synthesis and effective catalytic performance in cycloaddition reactions with CO ₂ of boronate esters versus N-heterocyclic carbene (NHC)-stabilized boronate esters. <i>Sustainable Energy and Fuels</i> , 2020, 4, 5682-5696.	4.9	30
17	Synthesis, spectroscopic and structural studies of new Schiff bases prepared from 3,5-salicylaldehyde and heterocyclic amines: X-ray structure of N-(3,5-di-tert-butylsalicylidene)-1-ethylcarboxylato-4-aminopiperidine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007, 68, 463-468.	3.9	29
18	Synthesis of new boron complexes: application to transfer hydrogenation of acetophenone derivatives. <i>Applied Organometallic Chemistry</i> , 2011, 25, 390-394.	3.5	29

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19	Fluorine/phenyl chelated boron complexes: Synthesis, fluorescence properties and catalyst for transfer hydrogenation of aromatic ketones. Journal of Fluorine Chemistry, 2014, 162, 9-16.	1.7	29
20	Ketone synthesized cobaloxime/organocobaloxime catalysts for cyclic carbonate synthesis from CO ₂ and epoxides: Characterization and electrochemistry. Journal of Organometallic Chemistry, 2014, 767, 150-159.	1.8	28
21	Synthesis, spectroscopic and electrochemical studies of copper(II) and cobalt(II) complexes of three unsymmetrical vic-dioximes ligands. Journal of Coordination Chemistry, 2006, 59, 861-872.	2.2	27
22	Synthesis and spectral studies of macrocyclic Cu(II) complexes by reaction of various diamines, copper(II) perchlorate and 1,4-bis(2-carboxyaldehyde phenoxy)butane. Journal of Coordination Chemistry, 2008, 61, 277-284.	2.2	27
23	Solution processed boron doped ZnO thin films: influence of different boron complexes. Materials Research Express, 2019, 6, 035903.	1.6	27
24	The orthopalladation dinuclear [Pd(L1)(η^4 -OAc)] ₂ , [Pd(L2)(η^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. Journal of Organometallic Chemistry, 2010, 695, 697-706.	1.8	26
25	Catalytic Ozonation by Iron Coated Pumice for the Degradation of Natural Organic Matters. Catalysts, 2018, 8, 219.	3.5	26
26	Mono/multinuclear cobaloxime and organocobaloxime-catalyzed conversion of CO ₂ and epoxides to cyclic organic carbonates: Synthesis and characterization. Journal of Industrial and Engineering Chemistry, 2015, 24, 98-106.	5.8	25
27	Novel vic-dioxime ligands and their poly-metal complexes bearing 1,8-diamino-3,6-dioxaoctane: synthesis, characterization, spectroscopy and electrochemistry. Transition Metal Chemistry, 2008, 33, 29-37.	1.4	23
28	A Novel Dopamine-Based Boronate Esters with the Organic Base as Highly Efficient, Stable, and Green Catalysts for the Conversion of CO ₂ with Epoxides to Cyclic Carbonates. Energy Technology, 2021, 9, 2100478.	3.8	22
29	Synthesis, spectroscopic and catalytic properties of some new boron hybrid molecule derivatives by BF ₂ and BPh ₂ chelation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 142, 62-72.	3.9	21
30	Design, synthesis and characterization of novel dioxime ligand-based cobaloxime compounds for application in the coupling of CO ₂ with epoxides. New Journal of Chemistry, 2016, 40, 7901-7910.	2.8	21
31	Catechol-type ligand containing new modular design dioxaborinane compounds: Use in the transfer hydrogenation of various ketones. Catalysis Communications, 2018, 111, 42-46.	3.3	21
32	Synthesis, spectroscopic and redox properties of the mononuclear Ni(II), Ni(II)(BPh ₂) ₂ containing (B-C) bond and trinuclear Cu(II)-Ni(II)-Cu(II) type-metal complexes of N,N'-((4-amino-1-benzyl piperidine)-glyoxime. Journal of Chemical Sciences, 2009, 121, 43-56.	1.5	20
33	The apoptotic, cytotoxic and genotoxic effect of novel binuclear boron-fluoride complex on endometrial cancer. BioMetals, 2017, 30, 933-944.	4.1	20
34	Synthesis and spectroscopic properties of 4,4'-bipyridine linker bioactive macrocycle boronate esters: photophysical properties and antimicrobial with antioxidant studies. Journal of Organometallic Chemistry, 2021, 941, 121807.	1.8	20
35	Preparation and spectral studies of boronate ester modified magnetite iron nanoparticles (Fe ₃ O ₄ @APTES-B) as a new type of biological agents. Journal of Molecular Liquids, 2022, 361, 119602.	4.9	20
36	Synthesis, Characterization and Redox Properties of Three New vic-dioximes and their Nickel(II) Metal Complexes. Transition Metal Chemistry, 2005, 30, 758-764.	1.4	19

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37	Design, spectroscopic properties and effects of novel catechol spiroborates derived from Schiff bases in the antioxidant, antibacterial and DNA binding activity. Journal of Organometallic Chemistry, 2022, 960, 122228.	1.8	19
38	Synthesis and electrochemical investigation of chiral amine bis(phenolate)-boron complexes: In vitro antibacterial activity screening of boron compounds. Inorganica Chimica Acta, 2020, 510, 119777.	2.4	18
39	Synthesis, Spectroscopic and Electrochemical Investigations of Two vic-Dioximes and Their Mononuclear Ni(II), Cu(II) and Co(II) Metal Complexes Containing Morpholine Group. Chinese Journal of Chemistry, 2006, 24, 1599-1604.	4.9	17
40	Hetero- and homo- chiral Ru(II) catalyzed synthesis of cyclic carbonates from CO ₂ ; Synthesis, spectroscopic characterization and electrochemical properties. Applied Organometallic Chemistry, 2010, 24, 446-453.	3.5	17
41	Synthesis, characterization, electrochemical properties and conversions of carbon dioxide to cyclic carbonates mononuclear and multinuclear oxime complexes using as catalyst. Inorganica Chimica Acta, 2013, 394, 635-644.	2.4	17
42	The synthesis, characterization, and electrochemistry of molecular cobaloxime/organocobaloxime: catalysts for cycloaddition of carbon dioxide and epoxides. Journal of Coordination Chemistry, 2014, 67, 2661-2679.	2.2	17
43	The synthesis of novel boronate esters and N-Heterocyclic carbene (NHC)-stabilized boronate esters: Spectroscopy, antimicrobial and antioxidant studies. Journal of Organometallic Chemistry, 2020, 917, 121268.	1.8	17
44	Synthesis, spectral characterization, electrochemical studies and catalytic properties in Suzuki-Miyaura coupling reactions of the mononuclear Pd ^{II} , trinuclear Pd ^{II} (BPh ₂) ₂ and Ru ^{II} (BPh ₂) ₂ Pd ^{II} type complexes containing 4-amino-1-benzyl piperidine and phenyl groups. Applied Organometallic Chemistry, 2008, 22, 494-502.	3.5	16
45	The catalytic activity of the iron-coated pumice particles used as heterogeneous catalysts in the oxidation of natural organic matter by H ₂ O ₂ . Environmental Technology (United Kingdom), 2016, 37, 2040-2047.	2.2	16
46	Synthesis and Characterization of New Macrocyclic Cu(II) Complexes from Various Diamines, Copper(II) Nitrate and 1,4-Bis(2-formylphenoxy)butane. Chinese Journal of Chemistry, 2007, 25, 1547-1550.	4.9	15
47	Electrochemical determination of indigo carmine in food and water samples using a novel platform based on chiral amine-bis(phenolate) boron complex. Dyes and Pigments, 2022, 197, 109921.	3.7	15
48	Disinfection By-Products Formation Potential Along the Melendiz River, Turkey; Associated Water Quality Parameters and Non-Linear Prediction Model. International Journal of Environmental Research, 2018, 12, 909-919.	2.3	14
49	The chiral boronate-catalyzed asymmetric transfer hydrogenation of various aromatic ketones to high-value alcohols: Preparation and spectroscopic studies. Journal of Organometallic Chemistry, 2019, 890, 1-12.	1.8	14
50	Different Hemi-Salen/Salan Ligand Containing Binuclear Boron-Fluoride Complexes: Synthesis, Spectroscopy, Fluorescence Properties, and Catalysis. Polycyclic Aromatic Compounds, 2019, 39, 248-265.	2.6	14
51	Synthesis of <i>cis</i> -1,2-diol type chiral ligands and their dioxaborinane derivatives: Application for the asymmetric transfer hydrogenation of various ketones and biological evaluation. Applied Organometallic Chemistry, 2020, 34, e5835.	3.5	14
52	Preparation of Cu(II), Ni(II), Ti(IV), VO(IV), and Zn(II) Metal Complexes Derived from Novel <i>vic</i> -Dioxime and Investigation of Their Antioxidant and Antibacterial Activities. Chemistry and Biodiversity, 2022, 19, e202100768.	2.1	14
53	Enhancing catalytic strategy for cyclic carbonates synthesized from CO ₂ and epoxides by using cobaloxime-based double complex salts as catalysts. Journal of CO ₂ Utilization, 2022, 63, 102129.	6.8	13
54	The coupling of carbon dioxide and epoxides by phenanthroline derivatives containing different Cu(II) complexes as catalyst. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 113, 432-438.	3.9	12

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55	Synthesis and Characterization of the Hemiâ€Šalen Ligands and Their Triboron Complexes: Spectroscopy and Examination of Anticancer Properties. Chemistry and Biodiversity, 2018, 15, e1700428.	2.1	12
56	Synthesis, characterization and electro-spectroelectrochemical studies of four macrocyclic Schiff-base Co(II) complexes having N2O2 set of donor atoms. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2009, 63, 163-169.	1.6	11
57	The synthesis, spectroscopic and voltametric studies of new metal complexes containing three different vic-dioximes. Journal of Coordination Chemistry, 2007, 60, 1233-1246.	2.2	10
58	The synthesis and investigation of different cobaloximines by spectroscopic methods. Journal of Molecular Structure, 2018, 1174, 25-31.	3.6	10
59	Design, spectroscopy, quantum chemical study and Hirshfeld analysis of single crystal ferrocene-based boronate ester. Journal of Molecular Structure, 2021, 1243, 130767.	3.6	10
60	Novel Fluorine Boron Hybrid Complex as Potential Antiproliferative Drugs on Colorectal Cancer Cell Line. Anti-Cancer Agents in Medicinal Chemistry, 2019, 19, 627-637.	1.7	10
61	Conversion of CO₂ into Cyclic Carbonates in the Presence of Metal Complexes as Catalysts. Journal of Chemical Research, 2010, 34, 622-626.	1.3	8
62	The effect of a bisâ€Šstructured Schiff base on apoptosis, cytotoxicity, and DNA damage of breast cancer cells. Journal of Biochemical and Molecular Toxicology, 2022, 36, .	3.0	8
63	Three new <i>vic</i>-â€Šdioxime ligands: Synthesis, characterization, spectroscopy, and redox properties of their mononuclear nickel(II) complexes. Heteroatom Chemistry, 2007, 18, 657-663.	0.7	7
64	Dicobaloxime/organodicobaloximes bridged by different axial groups: synthesis, characterization, spectroscopy, and catalysis. Chemical Papers, 2017, 71, 1705-1720.	2.2	7
65	Synthesis, characterization, fluorescence and redox features of new vic-dioxime ligand bearing pyrene and its metal complexes. Chemical Papers, 2008, 62, .	2.2	6
66	Preparation of catechol boronate esters enabled by Nâ€ŠB dative bond as efficient, stable, and green catalysts for the transfer hydrogenation of various ketones. Inorganica Chimica Acta, 2022, 534, 120812.	2.4	6
67	Synthesis of the Multinuclear Cobaloxime Complexes via Click Chemistry as Catalysts for the Formation of Cyclic Carbonates from Carbon Dioxide and Epoxides. Journal of Chemical Sciences, 2015, 127, 1665-1674.	1.5	5
68	Synthesis, Spectral Characterization and Electrochemical Investigations of Mononuclear Cu (II), Ni (II) and Co (II) Metal Complexes Containing Different New <i>vic</i>-dioxime Groups. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2009, 39, 379-387.	0.6	4
69	The properties of the new Mn(II)-â€ŠCo(II)-â€ŠMn(II)-type hetero-trinuclear oxime metal complexes with N4 and N4O2 ligands. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2010, 67, 423-429.	1.6	3
70	Development of adaptive neuro-fuzzy inference system model for predict trihalomethane formation potential in distribution network simulation test. Environmental Science and Pollution Research, 2021, 28, 15870-15882.	5.3	3
71	Nâ€ŠB stabilized and simplified synthesis for multi-functional boron-containing biodegradable poly(Î¼-caprolactone) and poly(L-lactide) polymers. Materials Today Communications, 2022, 32, 103886.	1.9	3
72	Katalitik Ozonlanmanâ€Šn Doâ€Šyal Organik Maddenin Yapâ€Šsâ€Šna ve Trihalometan Oluâ€Šturma Potansiyeline Etkisi. European Journal of Science and Technology, 0, , .	0.5	1