

# Ahmet Kilic

## List of Publications by Year in descending order

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72  
papers

1,511  
citations

257429

24  
h-index

414395

32  
g-index

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 <sub>2</sub> 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 Cu(I), Ni(II), Co(II) and La(III) complexes. <i>Transition Metal Chemistry</i> , 2007, 32, 344-349.  | 1.4 | 43        |
| 6  | Synthesis and spectral characterization of macrocyclic Ni(II) complexes derived from various diamines, Ni(II) 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 <sub>2</sub> ) 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 <sub>3</sub> O <sub>4</sub> 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 <sub>2</sub> to cyclic carbonates. <i>Journal of Organometallic Chemistry</i> , 2018, 858, 78-88.  | 1.8 | 31        |
| 14 | Neutral boron [(L1-3)BPh <sub>2</sub> ] and cationic charged boron [(L1a-3a)BPh <sub>2</sub> ] complexes for chemical CO <sub>2</sub> 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 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 <sub>2</sub> 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. <i>Journal of Fluorine Chemistry</i> , 2014, 162, 9-16.   | 1.7 | 29        |
| 20 | Ketone synthesized cobaloxime/organocobaloxime catalysts for cyclic carbonate synthesis from CO <sub>2</sub> and epoxides: Characterization and electrochemistry. <i>Journal of Organometallic Chemistry</i> , 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. <i>Journal of Coordination Chemistry</i> , 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. <i>Journal of Coordination Chemistry</i> , 2008, 61, 277-284.  | 2.2 | 27        |
| 23 | Solution processed boron doped ZnO thin films: influence of different boron complexes. <i>Materials Research Express</i> , 2019, 6, 035903.   | 1.6 | 27        |
| 24 | The orthopalladation dinuclear [Pd(L1)( <sup>1</sup> / <sub>4</sub> -OAc)] <sub>2</sub> , [Pd(L2)( <sup>1</sup> / <sub>4</sub> -OAc)] <sub>2</sub> and mononuclear [Pd(L3)] <sub>2</sub> 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. | 1.8 | 26        |
| 25 | Catalytic Ozonation by Iron Coated Pumice for the Degradation of Natural Organic Matters. <i>Catalysts</i> , 2018, 8, 219.  | 3.5 | 26        |
| 26 | Mono/multinuclear cobaloxime and organocobaloxime-catalyzed conversion of CO <sub>2</sub> and epoxides to cyclic organic carbonates: Synthesis and characterization. <i>Journal of Industrial and Engineering Chemistry</i> , 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. <i>Transition Metal Chemistry</i> , 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 <sub>2</sub> with Epoxides to Cyclic Carbonates. <i>Energy Technology</i> , 2021, 9, 2100478.  | 3.8 | 22        |
| 29 | Synthesis, spectroscopic and catalytic properties of some new boron hybrid molecule derivatives by BF <sub>2</sub> and BPh <sub>2</sub> chelation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 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 <sub>2</sub> with epoxides. <i>New Journal of Chemistry</i> , 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. <i>Catalysis Communications</i> , 2018, 111, 42-46.   | 3.3 | 21        |
| 32 | Synthesis, spectroscopic and redox properties of the mononuclear Ni(II), Ni(II)(BPh <sub>2</sub> ) <sub>2</sub> containing (B-C) bond and trinuclear Cu(II)-Ni(II)-Cu(II) type-metal complexes of N,N'-((4-amino-1-benzyl piperidine)-glyoxime). <i>Journal of Chemical Sciences</i> , 2009, 121, 43-56.  | 1.5 | 20        |
| 33 | The apoptotic, cytotoxic and genotoxic effect of novel binuclear boron-fluoride complex on endometrial cancer. <i>BioMetals</i> , 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. <i>Journal of Organometallic Chemistry</i> , 2021, 941, 121807.   | 1.8 | 20        |
| 35 | Preparation and spectral studies of boronate ester modified magnetite iron nanoparticles (Fe <sub>3</sub> O <sub>4</sub> @APTES-B) as a new type of biological agents. <i>Journal of Molecular Liquids</i> , 2022, 361, 119602.   | 4.9 | 20        |
| 36 | Synthesis, Characterization and Redox Properties of Three New vic-dioximes and their Nickel(II) Metal Complexes. <i>Transition Metal Chemistry</i> , 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. <i>Journal of Organometallic Chemistry</i> , 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. <i>Inorganica Chimica Acta</i> , 2020, 510, 119777.  | 2.4 | 18        |
| 39 | Synthesis, Spectroscopic and Electrochemical Investigations of Twovic-Dioximes and Their Mononuclear Ni(II), Cu(II) and Co(II) Metal Complexes Containing Morpholine Group. <i>Chinese Journal of Chemistry</i> , 2006, 24, 1599-1604.   | 4.9 | 17        |
| 40 | Hetero- and homo-olefinic Ru(II) catalyzed synthesis of cyclic carbonates from CO <sub>2</sub> ; Synthesis, spectroscopic characterization and electrochemical properties. <i>Applied Organometallic Chemistry</i> , 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. <i>Inorganica Chimica Acta</i> , 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. <i>Journal of Coordination Chemistry</i> , 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. <i>Journal of Organometallic Chemistry</i> , 2020, 917, 121268.   | 1.8 | 17        |
| 44 | Synthesis, spectral characterization, electrochemical studies and catalytic properties in Suzuki-Miyaura coupling reactions of the mononuclear Pd <sup>II</sup> , trinuclear Pd <sup>II</sup> and Ru <sup>II</sup> type complexes containing 4-amino-1-benzyl piperidine and phenyl groups. <i>Applied Organometallic Chemistry</i> , 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 <sub>2</sub> O <sub>2</sub> . <i>Environmental Technology (United Kingdom)</i> , 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. <i>Chinese Journal of Chemistry</i> , 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. <i>Dyes and Pigments</i> , 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. <i>International Journal of Environmental Research</i> , 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. <i>Journal of Organometallic Chemistry</i> , 2019, 890, 1-12.   | 1.8 | 14        |
| 50 | 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.  | 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. <i>Applied Organometallic Chemistry</i> , 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. <i>Chemistry and Biodiversity</i> , 2022, 19, e202100768.  | 2.1 | 14        |
| 53 | Enhancing catalytic strategy for cyclic carbonates synthesized from CO <sub>2</sub> and epoxides by using cobaloxime-based double complex salts as catalysts. <i>Journal of CO<sub>2</sub> Utilization</i> , 2022, 63, 102129.   | 6.8 | 13        |
| 54 | 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.  | 3.9 | 12        |

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|----|---|-----|-----------|
| 55 | 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.   | 2.1 | 12        |
| 56 | Synthesis, characterization and electro-spectroelectrochemical studies of four macrocyclic Schiff-base Co(II) complexes having N2O2 set of donor atoms. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2009, 63, 163-169.  | 1.6 | 11        |
| 57 | The synthesis, spectroscopic and voltametric studies of new metal complexes containing three different vic-dioximes. <i>Journal of Coordination Chemistry</i> , 2007, 60, 1233-1246.  | 2.2 | 10        |
| 58 | The synthesis and investigation of different cobaloximes by spectroscopic methods. <i>Journal of Molecular Structure</i> , 2018, 1174, 25-31.   | 3.6 | 10        |
| 59 | Design, spectroscopy, quantum chemical study and Hirshfeld analysis of single crystal ferrocene-based boronate ester. <i>Journal of Molecular Structure</i> , 2021, 1243, 130767.   | 3.6 | 10        |
| 60 | 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.  | 1.7 | 10        |
| 61 | Conversion of CO <sub>2</sub> into Cyclic Carbonates in the Presence of Metal Complexes as Catalysts. <i>Journal of Chemical Research</i> , 2010, 34, 622-626.  | 1.3 | 8         |
| 62 | 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, .  | 3.0 | 8         |
| 63 | Three new vic-dioxime ligands: Synthesis, characterization, spectroscopy, and redox properties of their mononuclear nickel(II) complexes. <i>Heteroatom Chemistry</i> , 2007, 18, 657-663.  | 0.7 | 7         |
| 64 | Dicobaloxime/organodicobaloximes bridged by different axial groups: synthesis, characterization, spectroscopy, and catalysis. <i>Chemical Papers</i> , 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. <i>Chemical Papers</i> , 2008, 62, .   | 2.2 | 6         |
| 66 | Preparation of catechol boronate esters enabled by N-B dative bond as efficient, stable, and green catalysts for the transfer hydrogenation of various ketones. <i>Inorganica Chimica Acta</i> , 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. <i>Journal of Chemical Sciences</i> , 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 vic-dioxime Groups. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2009, 39, 379-387. | 0.6 | 4         |
| 69 | The properties of the new Mn(II)-Co(II)-Mn(II)-type hetero-trinuclear oxime metal complexes with N4 and N4O2 ligands. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 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. <i>Environmental Science and Pollution Research</i> , 2021, 28, 15870-15882.   | 5.3 | 3         |
| 71 | N-B stabilized and simplified synthesis for multi-functional boron-containing biodegradable poly( $\mu$ -caprolactone) and poly(L-lactide) polymers. <i>Materials Today Communications</i> , 2022, 32, 103886.  | 1.9 | 3         |
| 72 | Katalitik Ozonlanmanın Doğal Organik Maddelerin Yapı ve Trihalometan Oluşturma Potansiyeline Etkisi. <i>European Journal of Science and Technology</i> , 0, , .   | 0.5 | 1         |