

Ayman Y Hammoudeh

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Hydrogenation of cinnamaldehyde over sol-gel Pd/SiO ₂ catalysts: kinetic aspects and modification of catalytic properties by Sn, Ir and Cu additives. <i>Journal of Molecular Catalysis A</i> , 2002, 178, 161-167.	4.8	51
2	Selective hydrogenation of cinnamaldehyde over Pd/SiO ₂ catalysts: selectivity promotion by alloyed Sn. <i>Journal of Molecular Catalysis A</i> , 2003, 203, 231-239.	4.8	43
3	Single crystalline silicon dioxide films on Mo(112). <i>Solid-State Electronics</i> , 2001, 45, 1471-1478.	1.4	41
4	Structural properties and hyperfine interactions in Co-Zn Y-type hexaferrites prepared by sol-gel method. <i>Ceramics International</i> , 2014, 40, 5231-5236.	4.8	32
5	Application of FTIR Spectroscopy for Assessment of Green Coffee Beans According to Their Origin. <i>Journal of Applied Spectroscopy</i> , 2018, 84, 1051-1055.	0.7	29
6	Effects of synthesis route on the structural and magnetic properties of Ba ₃ Zn ₂ Fe ₂₄ O ₄₁ (Zn ₂ Z) nanocrystalline hexaferrites. <i>Ceramics International</i> , 2018, 44, 779-787.	4.8	13
7	Mössbauer spectroscopy study of Y-type Hexaferrite (Ba ₂ Co ₂ Fe ₁₂ O ₂₂) prepared by the co-precipitation method. <i>Hyperfine Interactions</i> , 2020, 241, 1.	0.5	10
8	The CO-oxidation on Pd-rich surfaces of PdCu(110): hysteresis in reaction rates. <i>Journal of Molecular Catalysis A</i> , 1995, 96, 271-276.	4.8	9
9	Interaction of oxygen with Pt(210): formation of new oxygen states at higher exposures. <i>Surface Science</i> , 2000, 446, 323-333.	1.9	9
10	Dismutation of CFC-12 on alumina: reaction mechanism and the role of surface acidity. <i>Applied Catalysis A: General</i> , 2003, 243, 147-154.	4.3	8
11	Oxidation of CO on PdCu(110) single crystal alloy catalyst: steady state, hysteresis and related surface phenomena. <i>Vacuum</i> , 1995, 46, 411-415.	3.5	7
12	Ruthenium(II) bipyridine complexes incorporating (NN ² S) azoimine ancillary ligands. Synthesis, spectroscopy, solid state structure and DFT calculations. <i>Polyhedron</i> , 2017, 123, 47-55.	2.2	7
13	Mixed thioalkyl-azoimine (SNN ²)/1,2-diamine ² -ruthenium complexes: synthesis, characterization, DFT calculations, crystal structure and application as pre-catalysts for hydrogenation of acetophenone. <i>Transition Metal Chemistry</i> , 2019, 44, 355-367.	1.4	7
14	Ruthenium(II) complexes bearing thioether-azoimine tridentate SNN donor ligands: Synthesis, spectroscopic properties, structural characterization, electrochemistry, and catalytic activity. <i>Journal of Molecular Structure</i> , 2021, 1229, 129808.	3.6	7
15	Interaction of CO with clean and oxygen covered PdCu(110) single crystal alloy. <i>Vacuum</i> , 1999, 54, 239-243.	3.5	6
16	Keto-enol tautomers of mixed-ligand ruthenium(II) complexes containing 1,2-diamine and azoimine bearing alkyne group ligands. <i>Inorganica Chimica Acta</i> , 2017, 454, 222-228.	2.4	6
17	PRETREATMENT EFFECTS ON THE CATALYTIC ACTIVITY OF JORDANIAN BENTONITE. <i>Clays and Clay Minerals</i> , 2003, 51, 52-57.	1.3	5
18	Synthesis, X-ray structure, spectroscopic, DFT study and catalytic activity of cis-[RuCl ₂ (L)(EPh ₃)] complexes (E = P, As, Sb; L = NN ² N ³ tridentate azoimine-quinoline ligands). <i>Inorganica Chimica Acta</i> , 2018, 471, 186-193.	2.2	5

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19	Identification and quantification of diethylene glycol contamination in glycerine raw material. <i>Spectroscopy Letters</i> , 2019, 52, 60-65.	1.0	4
20	Ruthenium complexes of pyridine oxime and azoimine ligands: Syntheses, crystallography, electrochemical and catalytic properties. <i>Inorganica Chimica Acta</i> , 2018, 483, 241-247.	2.4	3
21	Ruthenium (II) quinoline-azoimine complex: Synthesis, crystalline structures spectroelectrochemistry and catalytic properties. <i>Journal of Molecular Structure</i> , 2020, 1217, 128327.	3.6	3
22	Field ion microscopy study of CO oxidation on palladium field emitter: field effects and imaging mechanism. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1999, 270, 89-93.	5.6	2
23	CO oxidation on palladium field emitter: kinetic oscillations and bistability. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1999, 270, 83-88.	5.6	1
24	A kinetic study of the liquid-phase hydrogenation of phenylpropanal over alumina-supported Ir catalysts. <i>Reaction Kinetics and Catalysis Letters</i> , 2007, 91, 131-139.	0.6	1
25	Ruthenium(II) bipyridine complexes bearing new keto-enol azoimine ligands: Synthesis, structure, electrochemistry and DFT calculations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 135, 828-839.	3.9	1
26	Chemisorption of nitrogen on PdCu(1 1 0) single-crystal alloy. <i>Vacuum</i> , 1999, 54, 251-255.	3.5	0
27	Kinetic modeling of the liquid-phase hydrogenation of cinnamyl alcohol over alumina-supported Ir catalysts. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2010, 99, 47.	1.7	0