

# Hanna S Abbo

## List of Publications by Year in descending order

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47  
papers

887  
citations

361413  
20  
h-index

501196  
28  
g-index

50  
all docs

50  
docs citations

50  
times ranked

1110  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bimetallic Ni&Co phosphide nanosheets self-supported on nickel foam as high-performance electrocatalyst for hydrogen evolution reaction. <i>Electrochimica Acta</i> , 2019, 317, 191-198.	5.2	69
2	Title is missing!. <i>Catalysis Letters</i> , 2003, 86, 97-105.	2.6	67
3	Di-, tri- and tetra-valent ion-exchanged NaY zeolite: Active heterogeneous catalysts for hydroxylation of benzene and phenol. <i>Applied Catalysis A: General</i> , 2009, 356, 167-171.	4.3	42
4	Synthesis, characterization and study of polymeric iron(III) complexes with bidentate p-hydroxy Schiff bases as heterogeneous catalysts. <i>Journal of Molecular Catalysis A</i> , 2005, 225, 225-232.	4.8	41
5	Synthesis and Catalytic Activity of Cu(II), Fe(III) and Bi(III) Complexes of Thio-Schiff Base Encapsulated in Zeolite-Y for Hydroxylation of Phenol. <i>Topics in Catalysis</i> , 2010, 53, 254-264.	2.8	41
6	Hydroxylation of Phenol Catalyzed by Oxovanadium(IV) of Salen-Type Schiff Base Complexes with Hydrogen Peroxide. <i>Catalysis Letters</i> , 2010, 136, 228-233.	2.6	35
7	Platinum(II) and Ruthenium(II) complexes in medicine: Antimycobacterial and Anti-HIV activities. <i>Coordination Chemistry Reviews</i> , 2020, 414, 213285.	18.8	35
8	Metallo Salicylidenetriazol Complexes Encapsulated in Zeolite-Y: Synthesis, Physicochemical Properties and Catalytic Studies. <i>Topics in Catalysis</i> , 2010, 53, 1401-1410.	2.8	32
9	Salicylaldiminato chromium complex supported on chemically modified silica as highly active catalysts for the oxidation of cyclohexene. <i>Catalysis Today</i> , 2013, 204, 114-124.	4.4	32
10	Modulation of P-glycoprotein activity by novel synthetic curcumin derivatives in sensitive and multidrug-resistant T-cell acute lymphoblastic leukemia cell lines. <i>Toxicology and Applied Pharmacology</i> , 2016, 305, 216-233.	2.8	31
11	Chemically Modified Solid Adsorbents for CO2 Capture. <i>Energy Procedia</i> , 2014, 63, 8153-8160.	1.8	26
12	Enhancement of oxygen reduction activity and stability via introducing acid-resistant refractory Mo and regulating the near-surface Pt content. <i>Journal of Energy Chemistry</i> , 2020, 51, 246-252.	12.9	26
13	Oxidation of benzoin catalyzed by oxovanadium (IV) schiff base complexes. <i>Chemistry Central Journal</i> , 2013, 7, 3.	2.6	25
14	Investigation of [Ni{Me4Bzo2[14]aneN4}]Cl2 catalyzed selective hydroxylation of phenol to catechol by H2O2 in the homogeneous medium. <i>Journal of Molecular Catalysis A</i> , 2004, 218, 125-132.	4.8	24
15	A New Vanadium (III) Complex of 2,6-Bis(3,5-diphenylpyrazol-1-ylmethyl)pyridine as a Catalyst for Ethylene Polymerization. <i>Molecules</i> , 2013, 18, 4728-4738.	3.8	23
16	Bis(pyrazolyl)pyridine vanadium(III) complexes as highly active ethylene polymerization catalysts. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 5327-5330.	1.8	22
17	Selective oxidation reactions over tri- and tetradentate oxovanadium(IV) complexes encapsulated in zeolite-Y. <i>Catalysis Today</i> , 2014, 227, 96-104.	4.4	22
18	Tri- and tetradentate copper complexes: a comparative study on homogeneous and heterogeneous catalysis over oxidation reactions. <i>Catalysis Science and Technology</i> , 2015, 5, 325-338.	4.1	22

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19	Highly efficient electrocatalysts for oxygen reduction reaction: Nitrogen-doped PtNiMo ternary alloys. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 6582-6591.	7.1	22
20	Carbon Nanomaterials for Wastewater Treatment. <i>ChemBioEng Reviews</i> , 2021, 8, 463-489.	4.4	22
21	Transition metal coordination polymers: Synthesis and catalytic study for hydroxylation of phenol and benzene. <i>Applied Catalysis A: General</i> , 2012, 435-436, 148-155.	4.3	21
22	Synthesis of N-methyl imines in the presence of poly(N-vinylpyridine) as a reusable solid base catalyst by a mechanochemical process. <i>Research on Chemical Intermediates</i> , 2017, 43, 901-910.	2.7	21
23	Enhanced hydrogen evolution activity over microwave-assisted functionalized 3D structured graphene anchoring FeP nanoparticles. <i>Electrochimica Acta</i> , 2019, 317, 242-249.	5.2	20
24	Cu <sub>2</sub> S@Cu <sub>3</sub> P Nanowire Arrays Self-Supported on Copper Foam as Boosting Electrocatalysts for Hydrogen Evolution. <i>Energy Technology</i> , 2019, 7, 1800993.	3.8	20
25	New azo-benzothiazole based liquid crystals: synthesis and study of the effect of lateral substituents on their liquid crystalline behaviour. <i>Liquid Crystals</i> , 2020, 47, 2257-2267.	2.2	18
26	The synthesis of mono- and diacetyl-9H-fluorenes. Reactivity and selectivity in the Lewis acid catalyzed Friedel-Crafts acetylation of 9H-fluorene. <i>Arkivoc</i> , 2008, 2008, 91-105.	0.5	15
27	Symmetrical and asymmetrical liquid crystal dimers: synthesis, characterisation and mesomorphic behaviour. <i>Liquid Crystals</i> , 2019, 46, 2291-2300.	2.2	13
28	Bis(Pyrazolyl)Pyridine Late Transition Metal Complexes as Single-Site Catalysts for Ethylene Polymerization to Highly Linear Polyethylene. <i>Catalysis Letters</i> , 2010, 139, 90-96.	2.6	12
29	4-(Succinimido)-1-butane Sulfonic Acid as a Brønsted Acid Catalyst for Synthesis of 4,4'-bis(arylmethylene)bis(1H-pyrazol-5-ol)s Derivatives under Solvent-Free Conditions. <i>Polycyclic Aromatic Compounds</i> , 2016, 36, 716-728.	2.6	12
30	Polyethylene glycol (PEG-400): An efficient one-pot green synthesis and anti-viral activity of novel <i>trans</i> -dianinophosphonates. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2019, 194, 1035-1039.	1.6	10
31	Synthesis and Mesomorphic Properties of New Methylene-Linked Linear Symmetrical Liquid Crystal Dimers. <i>Molecular Crystals and Liquid Crystals</i> , 2015, 607, 13-22.	0.9	9
32	<sup>1</sup> H and <sup>13</sup> C NMR Study of the Molecular Structure of New Di-( <sup>1</sup> 2-Keto) Schiff bases. <i>Spectroscopy Letters</i> , 1990, 23, 447-457.	1.0	7
33	A novel series of 1, 4-Dihydropyridine (DHP) derivatives bearing thiazolidin-4-one: From synthesis to structure. <i>Journal of Molecular Structure</i> , 2017, 1138, 136-148.	3.6	6
34	One-Pot Multicomponent Synthesis of Pyrazolo[3,4-d]pyrimidine-6-one Derivatives. <i>Polycyclic Aromatic Compounds</i> , 2018, 38, 189-198.	2.6	6
35	An Efficient Inclusion Complex Based Fluorescent Sensor for Mercury (II) and its Application in Live-Cell Imaging. <i>Journal of Fluorescence</i> , 2022, 32, 1109-1124.	2.5	6
36	Cytotoxicity of Novel Sulfanilamides Towards Sensitive and Multidrugresistant Leukemia Cells. <i>Current Medicinal Chemistry</i> , 2014, 21, 2715-2725.	2.4	5

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37	Chloro-benzothiazole Schiff base ester liquid crystals: synthesis and mesomorphic investigation. <i>Liquid Crystals</i> , 2022, 49, 1866-1877.	2.2	5
38	Synthesis, spectroscopic and molecular structures investigations of some carboxylated schiff bases. <i>Journal of Molecular Structure</i> , 2004, 705, 121-126.	3.6	4
39	Preparation of mono- and diacetyl 4,4'-dimethylbiphenyl and their corresponding carboxylic acids: Reactivity, selectivity and isomer distribution studies via Lewis acid catalyzed Friedel-Crafts acetylation/oxidation. <i>Journal of Molecular Catalysis A</i> , 2007, 273, 169-176.	4.8	3
40	Poly(vinyl pyridine): A Versatile Polymer in Catalysis. <i>Current Organic Chemistry</i> , 2019, 23, 439-479.	1.6	3
41	A reactivity-selectivity study of the Friedel-Crafts acetylation of 3,3'-dimethylbiphenyl and the oxidation of the acetyl derivatives. <i>Chemistry Central Journal</i> , 2012, 6, 52.	2.6	2
42	An Overview of Recent Advances in Biological and Pharmaceutical Developments of Fluoro-containing Drugs. <i>Current Organic Chemistry</i> , 2020, 23, 2916-2944.	1.6	2
43	A Conductance Study of Zinc Halides and Perchlorate and of Magnesium Perchlorate in Propylene Carbonate-Tetrahydrofuran Mixtures at 25°C. <i>Bulletin of the Chemical Society of Japan</i> , 1990, 63, 2447-2449.	3.2	1
44	Synthesis of Highly Dispersed Carbon Supported Platinum Nanocatalyst for Fuel Cells. , 2011, , .		1
45	Amino-Functionalized Silica Materials for Carbon Dioxide Capture. , 2015, , .		1
46	Synthesis, Characterization and Physicochemical Properties of Platinum Supported on Mesoporous Carbon. , 2011, , .		0
47	Crystal structure analysis and supramolecular association in ethyl <i>N</i> -[amino(iminio)methyl]carbamate dichloride hemi-hydrate. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2021, 236, 187-199.	0.8	0