

# Melike Sevim

## List of Publications by Year in descending order

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32  
papers

974  
citations

471061

17  
h-index

433756

31  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1486  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemoselective reduction of $\alpha,\beta$ -unsaturated carbonyl compounds in the presence of CuPd alloy nanoparticles decorated on mesoporous graphitic carbon nitride as highly efficient catalyst. <i>Journal of Organometallic Chemistry</i> , 2022, 958, 122181.	0.8	3
2	Analysis of the temperature dependent electrical parameters of the heterojunction obtained with Au nanoparticles decorated perovskite strontium titanate nanocubes. <i>Journal of Alloys and Compounds</i> , 2022, 914, 165140.	2.8	5
3	Ketjen Black supported monodisperse nickel-platinum alloy nanoparticles for the efficient catalyst in the hydrolytic dehydrogenation of ammonia borane. <i>Applied Organometallic Chemistry</i> , 2021, 35, e6095.	1.7	8
4	Nickel-palladium alloy nanoparticles supported on reduced graphene oxide decorated with metallic aluminum nanoparticles (Al-rGO/NiPd): a multifunctional catalyst for the transfer hydrogenation of nitroarenes and olefins using water as a hydrogen source. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 2200-2212.	3.0	12
5	A comparative study on the effect of monodisperse Au and Ag nanoparticles on the performance of organic photovoltaic devices. <i>Optical Materials</i> , 2021, 116, 111082.	1.7	10
6	Interface application of NiPt alloy nanoparticles decorated rGO nanocomposite to eliminate of contact problem between metal and inorganic/organic semiconductor. <i>Journal of Alloys and Compounds</i> , 2021, 867, 158802.	2.8	8
7	Strontium oxide modified mesoporous graphitic carbon nitride/titanium dioxide nanocomposites (SrO-mpg-CN/TiO <sub>2</sub> ) as efficient heterojunction photocatalysts for the degradation of tetracycline in water. <i>Advanced Powder Technology</i> , 2021, 32, 2743-2757.	2.0	23
8	Synthesis of nickel nanoparticles-deposited strontium titanate nanocubes (Ni-STO) and heterojunction electrical applications over a wide temperature range. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 274, 115479.	1.7	8
9	Magnetically recoverable nickel-palladium alloy nanocatalysts for direct C-H arylation reactions. <i>Dalton Transactions</i> , 2021, 50, 17515-17523.	1.6	5
10	Mesoporous graphitic carbon nitride-supported binary MPt (M: Co, Ni, Cu) nanoalloys as electrocatalysts for borohydride oxidation and hydrogen evolution reaction. <i>Catalysis Today</i> , 2020, 357, 291-301.	2.2	26
11	Monodisperse NiPd alloy nanoparticles decorated on mesoporous graphitic carbon nitride as a catalyst for the highly efficient chemoselective reduction of $\alpha,\beta$ -unsaturated ketone compounds. <i>New Journal of Chemistry</i> , 2020, 44, 13606-13612.	1.4	5
12	Temperature dependent electronic transport properties of heterojunctions formed between perovskite SrTiO <sub>3</sub> nanocubes and silicon. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 20833-20846.	1.1	4
13	Analysis on the temperature dependent electrical properties of Cr/Graphene oxide-Fe <sub>3</sub> O <sub>4</sub> nanocomposites/n-Si heterojunction device. <i>Diamond and Related Materials</i> , 2020, 108, 107933.	1.8	11
14	Photodynamic Therapy: Photocatalytically Active Graphitic Carbon Nitride as an Effective and Safe 2D Material for In Vitro and In Vivo Photodynamic Therapy (Small 10/2020). <i>Small</i> , 2020, 16, 2070051.	5.2	2
15	Photocatalytically Active Graphitic Carbon Nitride as an Effective and Safe 2D Material for In Vitro and In Vivo Photodynamic Therapy. <i>Small</i> , 2020, 16, e1904619.	5.2	53
16	PdNi alloy nanoparticles assembled on cobalt ferrite-carbon black composite as a fuel cell catalyst. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 14193-14200.	3.8	16
17	MnO <sub>2</sub> nanowires anchored on mesoporous graphitic carbon nitride (MnO <sub>2</sub> @mpg-C <sub>3</sub> N <sub>4</sub> ) as a highly efficient electrocatalyst for the oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 17995-18006.	3.8	73
18	Monodisperse CuPt alloy nanoparticles assembled on reduced graphene oxide as catalysts in the transfer hydrogenation of various functional organic groups. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4863.	1.7	11

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19	Enhanced photocatalytic NO <sub>x</sub> oxidation and storage under visible-light irradiation by anchoring Fe <sub>3</sub> O <sub>4</sub> nanoparticles on mesoporous graphitic carbon nitride (mpg-C <sub>3</sub> N <sub>4</sub> ). Applied Catalysis B: Environmental, 2019, 249, 126-137.	10.8	64
20	Monodisperse Pd nanoparticles assembled on reduced graphene oxide-Fe <sub>3</sub> O <sub>4</sub> nanocomposites as electrocatalysts for borohydride fuel cells. International Journal of Hydrogen Energy, 2018, 43, 10686-10697.	3.8	21
21	The synthesis of SrTiO <sub>3</sub> nanocubes and the analysis of nearly ideal diode application of Ni/SrTiO <sub>3</sub> nanocubes/n-Si heterojunctions. Materials Research Express, 2018, 5, 015060.	0.8	14
22	Heterogeneous sono-Fenton-like process using magnetic cobalt ferrite-reduced graphene oxide (CoFe <sub>2</sub> O <sub>4</sub> -rGO) nanocomposite for the removal of organic dyes from aqueous solution. Ultrasonics Sonochemistry, 2018, 40, 841-852.	3.8	138
23	Bimetallic PdM (M=Fe, Ag, Au) alloy nanoparticles assembled on reduced graphene oxide as catalysts for direct borohydride fuel cells. Journal of Alloys and Compounds, 2017, 718, 204-214.	2.8	66
24	Three-Component Cascade Reaction in a Tube: In Situ Synthesis of Pd Nanoparticles Supported on mpg-C <sub>3</sub> N <sub>4</sub> , Dehydrogenation of Ammonia Borane and Hydrogenation of Nitroarenes. ChemistrySelect, 2017, 2, 6344-6349.	0.7	25
25	Facile Synthesis of Monodisperse Copper-Platinum Alloy Nanoparticles and Their Superb Catalysis in the Hydrolytic Dehydrogenation of Ammonia Borane and Hydrazine Borane. ChemCatChem, 2017, 9, 4185-4190.	1.8	41
26	Gold Nanoparticles and Reduced Graphene Oxide-Gold Nanoparticle Composite Materials as Covalent Drug Delivery Systems for Breast Cancer Treatment. ChemistrySelect, 2017, 2, 6663-6672.	0.7	39
27	Enhanced catalytic activity of monodispersed AgPd alloy nanoparticles assembled on mesoporous graphitic carbon nitride for the hydrolytic dehydrogenation of ammonia borane under sunlight. Nano Research, 2017, 10, 1627-1640.	5.8	77
28	Bimetallic MPt (M: Co, Cu, Ni) alloy nanoparticles assembled on reduced graphene oxide as high performance cathode catalysts for rechargeable lithium-oxygen batteries. Journal of Alloys and Compounds, 2016, 683, 231-240.	2.8	41
29	Photocatalytic Activity of Mesoporous Graphitic Carbon Nitride (mpg-C <sub>3</sub> N <sub>4</sub> ) Towards Organic Chromophores Under UV and VIS Light Illumination. Topics in Catalysis, 2016, 59, 1305-1318.	1.3	58
30	Monodisperse MPd (M: Co, Ni, Cu) alloy nanoparticles supported on reduced graphene oxide as cathode catalysts for the lithium-air battery. International Journal of Hydrogen Energy, 2015, 40, 10876-10882.	3.8	34
31	Monodisperse CoFe <sub>2</sub> O <sub>4</sub> nanoparticles supported on Vulcan XC-72: High performance electrode materials for lithium-air and lithium-ion batteries. Journal of Power Sources, 2015, 288, 36-41.	4.0	40
32	Novel scorpion type phthalocyanine chemosensors for detection of selective-metal ion by inducing H- and J-aggregations in solution; synthesis, characterization and electrochemistry. Dyes and Pigments, 2014, 111, 190-201.	2.0	31