Hynd Remita

List of Publications by Year in Descending Order

76 papers	4,374 citations	37 h-index	65 g-index
80 ext. papers	4,859 ext. citations	8.1 avg, IF	5.44 L-index

#	Paper	IF	Citations
76	Superior photocatalytic activity of polypyrrole nanostructures prepared by radiolysis in water and dichloromethane. *Radiation Physics and Chemistry*, **2022**, 195, 110079	2.5	1
75	Highly Promoted Photocatalytic Hydrogen Generation by Multiple Electron Transfer Pathways. *Applied Catalysis B: Environmental*, **2021**, 281, 119457	21.8	6
74	Cellulose Nanocrystals in Spherical Titania-Sol Microdroplet: From Dynamic Self-Assembly to Nanostructured TiOx/C Microsphere Synthesis. *Chemistry of Materials*, **2021**, 33, 6925-6933	9.6	1
73	Visible light-driven simultaneous water oxidation and quinone reduction by a nano-structured conjugated polymer without co-catalysts. *Chemical Science*, **2020**, 11, 7324-7328	9.4	4
72	A Facile One-Pot Synthesis of Versatile PEGylated Platinum Nanoflowers and Their Application in Radiation Therapy. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	10
71	Highly active composite TiO2-polypyrrole nanostructures for water and air depollution under visible light irradiation. *Journal of Environmental Chemical Engineering*, **2020**, 8, 104178	6.8	12
70	Gold(I)–Silver(I)-calix[8]arene complexes, precursors of bimetallic alloyed Au–Ag nanoparticles. *Nanoscale Advances*, **2020**, 2, 2768-2773	5.1	5
69	A sol–gel biotemplating route with cellulose nanocrystals to design a photocatalyst for improving hydrogen generation. *Journal of Materials Chemistry A*, **2020**, 8, 10779-10786	13	14
68	A soft-chemistry assisted strong metal-support interaction on a designed plasmonic core-shell photocatalyst for enhanced photocatalytic hydrogen production. *Nanoscale*, **2020**, 12, 7011-7023	7.7	12
67	Polypyrrole nanostructures modified with mono- and bimetallic nanoparticles for photocatalytic H2 generation. *Journal of Materials Chemistry A*, **2020**, 8, 268-277	13	30
66	Synthesis and NMR study of trimethylphosphine gold(I)-appended calix[8]arenes as precursors of gold nanoparticles. *Inorganic Chemistry Frontiers*, **2020**, 7, 953-960	6.8	4
65	Heterojunction of CuO nanoclusters with TiO for photo-oxidation of organic compounds and for hydrogen production. *Journal of Chemical Physics*, **2020**, 153, 034705	3.9	11
64	Green One-Step Synthesis of Medical Nanoagents for Advanced Radiation Therapy. *Nanotechnology, Science and Applications*, **2020**, 13, 61-76	3.9	4
63	Inhibition of Fungal Growth Using Modified TiO with Core@Shell Structure of Ag@CuO Clusters.. *ACS Applied Bio Materials*, **2019**, 2, 5626-5633	4.1	14
62	Hexacyano Ferrate (III) Reduction by Electron Transfer Induced by Plasmonic Catalysis on Gold Nanoparticles. *Materials*, **2019**, 12,	3.5	9
61	Plasmonic catalysis for the Suzuki–Miyaura cross-coupling reaction using palladium nanoflowers. *New Journal of Chemistry*, **2019**, 43, 4349-4355	3.6	17
60	Enhanced Photogenerated Charge Carriers and Photocatalytic Activity of Biotemplated Mesoporous TiO2 Films with a Chiral Nematic Structure. *Chemistry of Materials*, **2019**, 31, 4851-4863	9.6	31

59	Radio-Enhancing Properties of Bimetallic Au:Pt Nanoparticles: Experimental and Theoretical Evidence. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	6
58	Selective modification of a native protein in a patient tissue homogenate using palladium nanoparticles. *Chemical Communications*, **2019**, 55, 15121-15124	5.8	2
57	Photocatalytic degradation of organic pollutant with polypyrrole nanostructures under UV and visible light. *Applied Catalysis B: Environmental*, **2019**, 242, 284-292	21.8	100
56	Swollen hexagonal liquid crystals as smart nanoreactors: implementation in materials chemistry for energy applications. *Nanoscale*, **2018**, 10, 5793-5819	7.7	19
55	Conducting Polymers Nanostructures for Solar-Light Harvesting **2018**, 227-252		3
54	Effect of Modification of TiO2 with Metal Nanoparticles on Its Photocatalytic Properties Studied by Time-Resolved Microwave Conductivity **2018**, 129-164		1
53	Photocatalytic properties of BiOCl-TiO2 composites for phenol photodegradation. *Journal of Environmental Chemical Engineering*, **2018**, 6, 1601-1612	6.8	109
52	Stabilisation of small mono- and bimetallic gold–silver nanoparticles using calix[8]arene derivatives. *New Journal of Chemistry*, **2018**, 42, 14128-14137	3.6	13
51	Visible-light-induced reduction of Cr(VI) by PDPB-ZnO nanohybrids and its photo-electrochemical response. *Applied Catalysis B: Environmental*, **2018**, 239, 362-372	21.8	65
50	Plasmonic core-shell nanostructure as an optical photoactive nanolens for enhanced light harvesting and hydrogen production. *Nanoscale*, **2018**, 10, 20140-20146	7.7	16
49	Highly active poly(3-hexylthiophene) nanostructures for photocatalysis under solar light. *Applied Catalysis B: Environmental*, **2017**, 209, 23-32	21.8	55
48	Efficient Design and Fabrication of Porous Metallic Electrocatalysts **2017**, 511-531		2
47	Photocatalytic Hydrogen Evolution Using Ni–Pd/TiO2: Correlation of Light Absorption, Charge-Carrier Dynamics, and Quantum Efficiency. *Journal of Physical Chemistry C*, **2017**, 121, 14302-14311	3.8	65
46	Platinum nanoparticles: an exquisite tool to overcome radioresistance. *Cancer Nanotechnology*, **2017**, 8, 4	7.9	19
45	Advances in Electrocatalysis for Energy Conversion and Synthesis of Organic Molecules. *ChemPhysChem*, **2017**, 18, 2573-2605	3.2	30
44	Reduction of nitrate by heterogeneous photocatalysis over pure and radiolytically modified TiO 2 samples in the presence of formic acid. *Catalysis Today*, **2017**, 281, 101-108	5.3	22
43	Enhanced photocatalytic, electrochemical and photoelectrochemical properties of TiO nanotubes arrays modified with Cu, AgCu and Bi nanoparticles obtained via radiolytic reduction. *Applied Surface Science*, **2016**, 387, 89-102	6.7	90
42	Synergetic effect of Ni and Au nanoparticles synthesized on titania particles for efficient photocatalytic hydrogen production. *Applied Catalysis B: Environmental*, **2016**, 191, 18-28	21.8	114

41	Improving proton therapy by metal-containing nanoparticles: nanoscale insights. *International Journal of Nanomedicine*, **2016**, 11, 1549-56	7.3	35
40	One-pot synthesis of reduced graphene oxide supported gold-based nanomaterials as robust nanocatalysts for glucose electrooxidation. *Electrochimica Acta*, **2016**, 212, 864-875	6.7	49
39	The effect of metal cluster deposition route on structure and photocatalytic activity of mono- and bimetallic nanoparticles supported on TiO2 by radiolytic method. *Applied Surface Science*, **2016**, 378, 37-48	6.7	54
38	Conducting polymer nanostructures for photocatalysis under visible light. *Nature Materials*, **2015**, 14, 505-11	27	454
37	Exogenous control over intracellular acidification: Enhancement via proton caged compounds coupled to gold nanoparticles. *Biochimica Et Biophysica Acta - General Subjects*, **2015**, 1850, 2304-7	4	15
36	Nanotechnology: from the ancient time to nowadays. *Foundations of Chemistry*, **2015**, 17, 187-205	0.7	71
35	Conducting polymer nanofibers with controlled diameters synthesized in hexagonal mesophases. *New Journal of Chemistry*, **2015**, 39, 8311-8320	3.6	28
34	Visible-light active conducting polymer nanostructures with superior photocatalytic activity. *Scientific Reports*, **2015**, 5, 18002	4.9	75
33	Enhanced Charge Separation and FRET at Heterojunctions between Semiconductor Nanoparticles and Conducting Polymer Nanofibers for Efficient Solar Light Harvesting. *Scientific Reports*, **2015**, 5, 17313	4.9	68
32	Facile synthesis of Pd nanostructures in hexagonal mesophases as a promising electrocatalyst for ethanol oxidation. *Journal of Materials Chemistry A*, **2015**, 3, 9517-9527	13	52
31	 Core–Shell Mesoporous Nanoballs and Nanoparticles as Efficient Electrocatalysts toward Formic Acid and Glucose Oxidation. *Journal of Physical Chemistry C*, **2015**, 119, 27529-27539	3.8	36
30	Conducting polymer-supported palladium nanoplates for applications in direct alcohol oxidation. *International Journal of Hydrogen Energy*, **2015**, 40, 4951-4959	6.7	65
29	Visible light-induced photocatalytic activity of modified titanium(IV) oxide with zero-valent bismuth clusters. *New Journal of Chemistry*, **2015**, 39, 2316-2322	3.6	26
28	Radiolytic synthesis of Au–Cu bimetallic nanoparticles supported on TiO2: application in photocatalysis. *New Journal of Chemistry*, **2014**, 38, 5279-5286	3.6	48
27	PEDOT nanostructures synthesized in hexagonal mesophases. *New Journal of Chemistry*, **2014**, 38, 1106-1115	3.6	62
26	Modification of TiO by Bimetallic Au-Cu Nanoparticles for Wastewater Treatment. *Journal of Materials Chemistry A*, **2013**, 1, 10829-10835	13	94
25	Investigation into the catalytic activity of porous platinum nanostructures. *Langmuir*, **2013**, 29, 11431-9	4	56
24	Demonstrative experiments about gold nanoparticles and nanofilms: an introduction to nanoscience. *Gold Bulletin*, **2013**, 46, 319-327	1.6	13

23	On the promoting effect of Au on CO oxidation kinetics of AuPt bimetallic nanoparticles supported on SiO2: An electronic effect?. *Journal of Catalysis*, **2012**, 287, 102-113	7.3	75
22	Facile synthesis of palladium nanowires by a soft templating method. *New Journal of Chemistry*, **2012**, 36, 2135	3.6	29
21	Elaboration, charge-carrier lifetimes and activity of Pd-TiO2 photocatalysts obtained by gamma radiolysis. *Journal of Photochemistry and Photobiology A: Chemistry*, **2012**, 242, 34-43	4.7	47
20	Tuning the Porosity of Bimetallic Nanostructures by a Soft Templating Approach. *Advanced Functional Materials*, **2012**, 22, 4900-4908	15.6	30
19	Metallic Nanoparticles: Tuning the Porosity of Bimetallic Nanostructures by a Soft Templating Approach (Adv. Funct. Mater. 23/2012). *Advanced Functional Materials*, **2012**, 22, 4899-4899	15.6	
18	Platinum nanoparticles: a promising material for future cancer therapy?. *Nanotechnology*, **2010**, 21, 85103	3.4	283
17	One-Pot Radiolytic Synthesis of Gold Nanorods and Their Optical Properties. *Journal of Physical Chemistry C*, **2010**, 114, 14794-14803	3.8	41
16	Metal Clusters and Nanomaterials: Contribution of Radiation Chemistry **2010**, 347-383		17
15	Bimetallic Au-Pt nanoparticles synthesized by radiolysis: Application in electro-catalysis **2010**, 43, 49-56		56
14	Palladium Nanowires Synthesized in Hexagonal Mesophases: Application in Ethanol Electrooxidation. *Chemistry of Materials*, **2009**, 21, 1612-1617	9.6	132
13	Bimetallic PalladiumGold Nanostructures: Application in Ethanol Oxidation. *Chemistry of Materials*, **2009**, 21, 3677-3683	9.6	183
12	Synthesis of Ultrathin Hexagonal Palladium Nanosheets. *Chemistry of Materials*, **2009**, 21, 5170-5175	9.6	90
11	Palladium Nanoballs Synthesized in Hexagonal Mesophases. *Journal of Physical Chemistry C*, **2008**, 112, 10740-10744	3.8	42
10	Palladium nanostructures synthesized by radiolysis or by photoreduction. *New Journal of Chemistry*, **2008**, 32, 1403	3.6	29
9	Synthesis of Porous Platinum Nanoballs in Soft Templates. *Chemistry of Materials*, **2007**, 19, 5045-5048	9.6	62
8	Synthesis of single-crystalline platinum nanorods within a soft crystalline surfactant-Pt(II) complex. *ChemPhysChem*, **2006**, 7, 1510-3	3.2	59
7	Highly Swollen Liquid Crystals as New Reactors for the Synthesis of Nanomaterials. *Chemistry of Materials*, **2005**, 17, 1505-1514	9.6	62
6	From self-assembly of platinum nanoparticles to nanostructured materials. *Small*, **2005**, 1, 964-7	11	41

5	Existence and stability of new nanoreactors: highly swollen hexagonal liquid crystals. *Langmuir*, **2005**, 21, 4362-9	4	59
4	Dose Rate Effect on Bimetallic Gold−Palladium Cluster Structure. *Journal of Physical Chemistry B*, **2003**, 107, 31-36	3.4	66
3	Enhanced yield of photoinduced electrons in doped silver halide crystals. *Nature*, **1999**, 402, 865-867	50.4	71
2	Radiation-induced synthesis of mono- and multi-metallic clusters and nanocolloids. *New Journal of Chemistry*, **1998**, 22, 1239-1255	3.6	439
1	Radiation-induced and chemical formation of gold clusters. *New Journal of Chemistry*, **1998**, 22, 1257-1265	3.6	243