Hermenegildo Garca Gmez

List of Publications by Year in Descending Order

837 papers	53,633 citations	107 h-index	205 g-index
879 ext. papers	58,698 ext. citations	8.3 avg, IF	8.36 L-index

#	Paper	IF	Citations
837	Nanosized copper stabilized on ternary P, N, S-doped graphene from chitosan shellfish waste: preparation and catalysis of single and double A3-type amine coupling. *Materials Today Sustainability*, **2022**, 18, 100109	5	0
836	Supported metals on porous solids as heterogeneous catalysts for the synthesis of propargylamines. *New Journal of Chemistry*, **2022**, 46, 1469-1482	3.6	0
835	Enhancement of lipid accumulation in microalga Desmodesmus sp. VV2: Response Surface Methodology and artificial neural network modeling for biodiesel production.. *Chemosphere*, **2022**, 293, 133477	8.4	0
834	A Quasi-Metal□Organic Framework Based on Cobalt for Improved Catalytic Conversion of Aquatic Pollutant 4-Nitrophenol. *Journal of Physical Chemistry C*, **2022**, 126, 683-692	3.8	1
833	Detecting Lewis acid sites in metal-organic frameworks by density functional theory. *Molecular Catalysis*, **2022**, 517, 112042	3.3	0
832	Enhanced photocatalytic activity of kaolinite-TiO2-graphene oxide composite with a porous stacking structure. *Journal of Alloys and Compounds*, **2022**, 889, 161682	5.7	4
831	Tridimensional N, P-Codoped Carbon Sponges as Highly Selective Catalysts for Aerobic Oxidative Coupling of Benzylamine.. *ACS Omega*, **2022**, 7, 11092-11100	3.9	0
830	Nanometer-thick defective graphene films decorated with oriented ruthenium nanoparticles. Higher activity of 101 vs 002 plane for silane-alcohol coupling and hydrogen transfer reduction. *Journal of Catalysis*, **2022**, 407, 342-352	7.3	1
829	High C-C selectivity in CO hydrogenation by particle size control of Co-Fe alloy nanoparticles wrapped on N-doped graphitic carbon.. *IScience*, **2022**, 25, 104252	6.1	0
828	Visible and NIR Light Assistance of the N Reduction to NH Catalyzed by Cs-promoted Ru Nanoparticles Supported on Strontium Titanate.. *ACS Catalysis*, **2022**, 12, 4938-4946	13.1	0
827	Tuning the Photocatalytic Activity of Ti-Based Metal-Organic Frameworks through Modulator Defect-Engineered Functionalization.. *ACS Applied Materials & Interfaces*, **2022**,	9.5	3
826	High-current water electrolysis performance of metal phosphides grafted on porous 3D N-doped graphene prepared without using phosphine. *Cell Reports Physical Science*, **2022**, 100873	6.1	0
825	Doped microporous graphitic carbons as metal-free catalysts for the selective hydrogenation of alkynes to alkenes. *Journal of Catalysis*, **2021**, 405, 355-355	7.3	0
824	Friedel-Crafts alkylation reaction efficiently catalyzed by a di-amide functionalized Zr(IV) metal-organic framework. *Molecular Catalysis*, **2021**, 517, 112007	3.3	0
823	Reduced Graphene Oxides as Carbocatalysts in Acceptorless Dehydrogenation of -Heterocycles.. *ACS Catalysis*, **2021**, 11, 14688-14693	13.1	1
822	Improved catalytic hydrogen release of quasi HKUST-1 compared to HKUST-1. *Chemical Communications*, **2021**, 57, 11964-11967	5.8	0
821	A Novel Porous Ti-Squarate as Efficient Photocatalyst in the Overall Water Splitting Reaction under Simulated Sunlight Irradiation. *Advanced Materials*, **2021**, 33, e2106627	24	10

820	Band Engineering of Semiconducting Microporous Graphitic Carbons by Phosphorous Doping: Enhancing of Photocatalytic Overall Water Splitting. *ACS Applied Materials & Interfaces*, **2021**, 13, 48753-48763	9.5	1
819	Metal-Organic Frameworks as Versatile Heterogeneous Solid Catalysts for Henry Reactions. *Molecules*, **2021**, 26,	4.8	11
818	Porous Graphitic Carbons Containing Nitrogen by Structuration of Chitosan with Pluronic P123. *ACS Applied Materials & Interfaces*, **2021**, 13, 13499-13507	9.5	3
817	A Zr-Based Metal-Organic Framework with a DUT-52 Structure Containing a Trifluoroacetamido-Functionalized Linker for Aqueous Phase Fluorescence Sensing of the Cyanide Ion and Aerobic Oxidation of Cyclohexane. *Inorganic Chemistry*, **2021**, 60, 4539-4550	5.1	8
816	Photoactive Zr and Ti Metal-Organic-Frameworks for Solid-State Solar Cells. *ChemPhysChem*, **2021**, 22, 842-848	3.2	
815	Turning Carbon Dioxide and Ethane into Ethanol by Solar-Driven Heterogeneous Photocatalysis over RuO2- and NiO-co-Doped SrTiO3. *Catalysts*, **2021**, 11, 461	4	3
814	Porous NiFe-LDH grown on graphene oxide towards highly efficient OER electrocatalysis. *Materials Letters*, **2021**, 290, 129517	3.3	3
813	Engineering of Active Sites in Metal□rganic Frameworks for Biodiesel Production. *Advanced Sustainable Systems*, **2021**, 5, 2100101	5.9	5
812	Copper(II)-Doped ZIF-8 as a Reusable and Size Selective Heterogeneous Catalyst for the Hydrogenation of Alkenes using Hydrazine Hydrate. *European Journal of Inorganic Chemistry*, **2021**, 2021, 2108-2119	2.3	5
811	□Enone Borylation by Bis(Pinacolato)Diboron Catalyzed by Cu(BTC) Using Cesium Carbonate as a Base. *Nanomaterials*, **2021**, 11,	5.4	1
810	Engineering hydrogenation active sites on graphene oxide and N-doped graphene by plasma treatment. *Applied Catalysis B: Environmental*, **2021**, 287, 119962	21.8	4
809	ZnCdS Dotted with Highly Dispersed Pt Supported on SiO2 Nanospheres Promoting Photocatalytic Hydrogen Evolution. *Journal of Physical Chemistry C*, **2021**, 125, 14656-14665	3.8	5
808	Cobalt-Based Quasi-Metal□rganic Framework as a Tandem Catalyst for Room-Temperature Open-Air One-Pot Synthesis of Imines. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 10611-10619	8.3	3
807	Arene borylation through CH activation using Cu3(BTC)2 as heterogeneous catalyst. *Catalysis Today* , **2021**, 366, 212-217	5.3	3
806	Pristine and modified chitosan as solid catalysts for catalysis and biodiesel production: A minireview. *International Journal of Biological Macromolecules*, **2021**, 167, 807-833	7.9	12
805	Improvement of catalytic activity of graphene oxide by plasma treatment. *Catalysis Today*, **2021**, 366, 2-9	5.3	3
804	Bifunctional metal-organic frameworks for the hydrogenation of nitrophenol using methanol as the hydrogen source. *Organic and Biomolecular Chemistry*, **2021**, 19, 794-800	3.9	2
803	Nickel phosphonate MOF as efficient water splitting photocatalyst. *Nano Research*, **2021**, 14, 450-457	10	29

802	Metal Organic Framework Derived Bimetallic Materials for Electrochemical Energy Storage. *Angewandte Chemie*, **2021**, 133, 11148-11167	3.6	3
801	UiO-66(Ce) metal-organic framework as a highly active and selective catalyst for the aerobic oxidation of benzyl amines. *Molecular Catalysis*, **2021**, 499, 111277	3.3	12
800	Straightforward synthesis of a porous chromium-based porphyrinic metal-organic framework for visible-light triggered selective aerobic oxidation of benzyl alcohol to benzaldehyde. *Applied Catalysis A: General*, **2021**, 611, 117965	5.1	9
799	Large area continuous multilayer graphene membrane for water desalination. *Chemical Engineering Journal*, **2021**, 413, 127510	14.7	11
798	Metal-Organic Framework Derived Bimetallic Materials for Electrochemical Energy Storage. *Angewandte Chemie - International Edition*, **2021**, 60, 11048-11067	16.4	63
797	Expanding the photoresponse of multidimensional hybrid lead bromide perovskites into the visible region by incorporation of subphthalocyanine. *Dalton Transactions*, **2021**, 50, 6100-6108	4.3	1
796	Cobalt-Based Metal Organic Frameworks as Solids Catalysts for Oxidation Reactions. *Catalysts*, **2021**, 11, 95	4	4
795	Photocatalysis by metal-organic frameworks **2021**, 543-559		1
794	High hydrogen release catalytic activity by quasi-MOFs prepared via post-synthetic pore engineering. *Sustainable Energy and Fuels*, **2021**, 5, 4587-4596	5.8	3
793	A Visual and Ratiometric Chemosensor Using Thiophene Functionalized Hydrazone for the Selective Sensing of Pb and F Ions. *Journal of Fluorescence*, **2021**, 31, 465-474	2.4	3
792	Fe clusters embedded on N-doped graphene as a photothermal catalyst for selective CO hydrogenation. *Chemical Communications*, **2021**, 57, 10075-10078	5.8	2
791	Microporous 3D graphitic carbons obtained by soft templating as carbocatalysts for aerobic oxidation. *Applied Catalysis A: General*, **2021**, 612, 118014	5.1	0
790	Ligand effects in the stabilization of gold nanoparticles anchored on the surface of graphene: Implications in catalysis. *Journal of Catalysis*, **2021**, 394, 113-120	7.3	5
789	Co Fe Clusters Supported on N-Doped Graphitic Carbon as Highly Selective Catalysts for Reverse Water Gas Shift Reaction. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 9264-9272	8.3	2
788	Reverse water-gas shift catalyst taming mixed Fe Ti oxide composition in a carbon matrix. *Chem Catalysis*, **2021**, 1, 241-243		
787	Co-Fe Nanoparticles Wrapped on N-Doped Graphitic Carbons as Highly Selective CO Methanation Catalysts. *ACS Applied Materials & Interfaces*, **2021**, 13, 36976-36981	9.5	4
786	Amino Group Functionalized Hf-Based Metal-Organic Framework for Knoevenagel-Doebner Condensation. *European Journal of Inorganic Chemistry*, **2021**, 2021, 3396-3403	2.3	2
785	Enhanced Catalytic Performance of Quasi-HKUST-1 for the Tandem Imine Formation. *Chemistry - A European Journal*, **2021**, 27, 14273-14281	4.8	2

784	A Novel Ceramic Tubular Membrane Coated with a Continuous Graphene-TiO2 Nanocomposite Thin-Film for CECs Mitigation. *Chemical Engineering Journal*, **2021**, 132639	14.7	4
783	Effect of Linker Distribution in the Photocatalytic Activity of Multivariate Mesoporous Crystals. *Journal of the American Chemical Society*, **2021**, 143, 1798-1806	16.4	14
782	Quasi-HKUST Prepared via Postsynthetic Defect Engineering for Highly Improved Catalytic Conversion of 4-Nitrophenol.. *ACS Applied Materials & Interfaces*, **2021**,	9.5	7
781	Recent Progress and Prospects in Catalytic Water Treatment. *Chemical Reviews*, **2021**,	68.1	12
780	A Pyridyltriazol Functionalized Zirconium Metal-Organic Framework for Selective and Highly Efficient Adsorption of Palladium. *ACS Applied Materials & Interfaces*, **2020**, 12, 25221-25232	9.5	46
779	Superior Electrocatalytic Activity of MoS-Graphene as Superlattice. *Nanomaterials*, **2020**, 10,	5.4	4
778	Metal organic frameworks for biomass conversion. *Chemical Society Reviews*, **2020**, 49, 3638-3687	58.5	91
777	Bimetallic iron-copper oxide nanoparticles supported on nanometric diamond as efficient and stable sunlight-assisted Fenton photocatalyst. *Chemical Engineering Journal*, **2020**, 393, 124770	14.7	16
776	Vapor-Phase Photocatalytic Overall Water Splitting Using Hybrid Methylammonium Copper and Lead Perovskites. *Nanomaterials*, **2020**, 10,	5.4	6
775	Photocatalytic Overall Water Splitting Activity of Templateless Structured Graphitic Nanoparticles Obtained from Cyclodextrins. *ACS Applied Energy Materials*, **2020**, 3, 6623-6632	6.1	5
774	A hydrazine functionalized UiO-66(Hf) metal□organic framework for the synthesis of quinolines via Friedl□der condensation. *New Journal of Chemistry*, **2020**, 44, 10982-10988	3.6	11
773	Metal□Organic Frameworks as Multifunctional Solid Catalysts. *Trends in Chemistry*, **2020**, 2, 454-466	14.8	61
772	Synthesis, Structure, Reactivity and Catalytic Implications of a Cationic, Acetylide-Bridged Trigold-JohnPhos Species. *Chemistry - A European Journal*, **2020**, 26, 8810-8818	4.8	1
771	Integration of metal organic frameworks with enzymes as multifunctional solids for cascade catalysis. *Dalton Transactions*, **2020**, 49, 11059-11072	4.3	17
770	A Semiconducting BiO(CO) Coordination Polymer Showing a Photoelectric Response. *Inorganic Chemistry*, **2020**, 59, 3406-3416	5.1	6
769	Influence of oxophilic behavior of UiO-66(Ce) metal□organic framework with superior catalytic performance in Friedel-Crafts alkylation reaction. *Applied Organometallic Chemistry*, **2020**, 34, e5578	3.1	8
768	Porous Single-Crystal-Based Inorganic Semiconductor Photocatalysts for Energy Production and Environmental Remediation: Preparation, Modification, and Applications. *Advanced Functional Materials*, **2020**, 30, 1908984	15.6	25
767	Templateless Synthesis of Ultra-Microporous 3D Graphitic Carbon from Cyclodextrins and Their Use as Selective Catalyst for Oxygen Activation. *Small Methods*, **2020**, 4, 1900721	12.8	5

766	Influence of Hydrogen Bond Donating Sites in UiO-66 Metal-Organic Framework for Highly Regioselective Methanolysis of Epoxides. *ChemCatChem*, **2020**, 12, 1789-1798	5.2	12
765	Alteration of the Mitochondrial Effects of Ceria Nanoparticles by Gold: An Approach for the Mitochondrial Modulation of Cells Based on Nanomedicine. *Nanomaterials*, **2020**, 10,	5.4	1
764	Diamond Nanoparticles in Heterogeneous Catalysis. *Chemistry of Materials*, **2020**, 32, 4116-4143	9.6	15
763	Catalysis by Metal Nanoparticles Encapsulated Within Metal□Organic Frameworks. *Molecular Catalysis*, **2020**, 221-247	0.3	
762	MIL-101(Cr)-NO2 as efficient catalyst for the aerobic oxidation of thiophenols and the oxidative desulfurization of dibenzothiophenes. *Applied Catalysis A: General*, **2020**, 590, 117340	5.1	13
761	Nitro functionalized chromium terephthalate metal-organic framework as multifunctional solid acid for the synthesis of benzimidazoles. *Journal of Colloid and Interface Science*, **2020**, 560, 885-893	9.3	10
760	Revolutionary Times. *Chemistry - A European Journal*, **2020**, 26, 14-18	4.8	5
759	Synthesis, post-synthetic modification and stability of a 2D styryl ammonium lead iodide hybrid material. *Dalton Transactions*, **2020**, 49, 395-403	4.3	1
758	Tuneable Emission of Polyhedral Oligomeric Silsesquioxane Based Nanostructures that Self-Assemble in the Presence of Europium(III) Ions: Reversible trans-to-cis Isomerization. *ChemPlusChem*, **2020**, 85, 391-398	2.8	4
757	MIL-101(Fe) as an active heterogeneous solid acid catalyst for the regioselective ring opening of epoxides by indoles. *Molecular Catalysis*, **2020**, 482, 110628	3.3	4
756	Polyvinylidene Fluoride-Graphene Oxide Membranes for Dye Removal under Visible Light Irradiation. *Polymers*, **2020**, 12,	4.5	17
755	Tuning the active sites in reduced graphene oxide by hydroquinone functionalization for the aerobic oxidations of thiophenol and indane. *Molecular Catalysis*, **2020**, 493, 111093	3.3	1
754	Enhancing visible-light photocatalytic activity for overall water splitting in UiO-66 by controlling metal node composition. *Applied Catalysis B: Environmental*, **2020**, 278, 119345	21.8	55
753	A Robust Titanium Isophthalate Metal-Organic Framework for Visible-Light Photocatalytic CO2 Methanation. *CheM*, **2020**, 6, 3409-3427	16.2	17
752	Nanometer-thick films of antimony oxide nanoparticles grafted on defective graphenes as heterogeneous base catalysts for coupling reactions. *Journal of Catalysis*, **2020**, 390, 135-149	7.3	3
751	Catalytic transformation of the marine polysaccharide ulvan into rare sugars, tartaric and succinic acids. *Catalysis Today*, **2020**, 383, 345-345	5.3	3
750	Design of stable mixed-metal MIL-101(Cr/Fe) materials with enhanced catalytic activity for the Prins reaction. *Journal of Materials Chemistry A*, **2020**, 8, 17002-17011	13	9
749	Catalysis in Confined Spaces of Metal Organic Frameworks. *ChemCatChem*, **2020**, 12, 4732-4753	5.2	17

748	Plasma-Induced Defects Enhance the Visible-Light Photocatalytic Activity of MIL-125(Ti)-NH for Overall Water Splitting. *Chemistry - A European Journal*, **2020**, 26, 15682-15689	4.8	14
747	Gold-Nanoparticle-Decorated Metal-Organic Frameworks for Anticancer Therapy. *ChemMedChem*, **2020**, 15, 2236-2256	3.7	7
746	Cobalt nanoparticle with tunable size supported on nitrogen-deficient graphitic carbon nitride for efficient visible light driven H2 evolution reaction. *Chemical Engineering Journal*, **2020**, 381, 122576	14.7	22
745	Photocatalytic CO2 Reduction to C2+ Products. *ACS Catalysis*, **2020**, 10, 5734-5749	13.1	184
744	Synthesis of metal-free lightweight materials with sequence-encoded properties. *Journal of Materials Chemistry A*, **2020**, 8, 8752-8760	13	5
743	Highly Active Bisamino Functionalized Zr(IV)-UiO-67 Metal-Organic Framework for Cascade Catalysis. *European Journal of Inorganic Chemistry*, **2020**, 2020, 2830-2834	2.3	7
742	Encapsulation of Metal Nanoparticles within Metal-Organic Frameworks for the Reduction of Nitro Compounds. *Molecules*, **2019**, 24,	4.8	10
741	Engineering Active Sites in Reduced Graphene Oxide: Tuning the Catalytic Activity for Aerobic Oxidation. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 15948-15956	8.3	7
740	Palladium Supported on Porous Chitosan-Graphene Oxide Aerogels as Highly Efficient Catalysts for Hydrogen Generation from Formate. *Molecules*, **2019**, 24,	4.8	11
739	Catalytic Ozonation Using Edge-Hydroxylated Graphite-Based Materials. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 17443-17452	8.3	9
738	A translational approach to assess the metabolomic impact of stabilized gold nanoparticles by NMR spectroscopy. *Analyst, The*, **2019**, 144, 1265-1274	5	8
737	A Versatile, Mild and Selective Reduction of Nitroarenes to Aminoarenes Catalyzed by CeO2 Nanoparticles with Hydrazine Hydrate. *ChemistrySelect*, **2019**, 4, 1379-1386	1.8	12
736	A reliable procedure for the preparation of graphene-boron nitride superlattices as large area (cm □ cm) films on arbitrary substrates or powders (gram scale) and unexpected electrocatalytic properties. *Nanoscale*, **2019**, 11, 2981-2990	7.7	7
735	A simple and efficient room temperature silylation of diverse functional groups with hexamethyldisilazane using CeO2 nanoparticles as solid catalysts. *Molecular Catalysis*, **2019**, 474, 110357	3.3	3
734	Influence of co-catalysts on the photocatalytic activity of MIL-125(Ti)-NH2 in the overall water splitting. *Applied Catalysis B: Environmental*, **2019**, 254, 677-684	21.8	43
733	Tuning the Microenvironment of Gold Nanoparticles Encapsulated within MIL-101(Cr) for the Selective Oxidation of Alcohols with O : Influence of the Amino Terephthalate Linker. *Chemistry - A European Journal*, **2019**, 25, 9280-9286	4.8	12
732	A highly catalytically active Hf(IV) metal-organic framework for Knoevenagel condensation. *Microporous and Mesoporous Materials*, **2019**, 284, 459-467	5.3	35
731	A highly conductive nanostructured PEDOT polymer confined into the mesoporous MIL-100(Fe). *Dalton Transactions*, **2019**, 48, 9807-9817	4.3	16

730	Highly Active Urea-Functionalized Zr(IV)-UiO-67 Metal-Organic Framework as Hydrogen Bonding Heterogeneous Catalyst for Friedel-Crafts Alkylation. *Inorganic Chemistry*, **2019**, 58, 5163-5172	5.1	31
729	Graphene-Based Materials as Efficient Photocatalysts for Water Splitting. *Molecules*, **2019**, 24,	4.8	48
728	Influence of Carbon Supports on Palladium Nanoparticle Activity toward Hydrodeoxygenation and Aerobic Oxidation in Biomass Transformations. *European Journal of Inorganic Chemistry*, **2019**, 2019, 1979-1987	2.3	9
727	synthesis of mesoporous photoactive titanium(iv)-organic frameworks with MIL-100 topology. *Chemical Science*, **2019**, 10, 4313-4321	9.4	47
726	Mixed-Metal MOFs: Unique Opportunities in Metal Organic Framework (MOF) Functionality and Design. *Angewandte Chemie*, **2019**, 131, 15330-15347	3.6	40
725	Mixed-Metal MOFs: Unique Opportunities in Metal-Organic Framework (MOF) Functionality and Design. *Angewandte Chemie - International Edition*, **2019**, 58, 15188-15205	16.4	268
724	N-doped defective graphene decorated by strontium titanate as efficient photocatalyst for overall water splitting. *Applied Catalysis B: Environmental*, **2019**, 252, 111-119	21.8	30
723	Engineering of activated carbon surface to enhance the catalytic activity of supported cobalt oxide nanoparticles in peroxymonosulfate activation. *Applied Catalysis B: Environmental*, **2019**, 249, 42-53	21.8	57
722	2D Metal-Organic Frameworks as Multifunctional Materials in Heterogeneous Catalysis and Electro/Photocatalysis. *Advanced Materials*, **2019**, 31, e1900617	24	199
721	Design of cost-efficient and photocatalytically active Zn-based MOFs decorated with CuO nanoparticles for CO methanation. *Chemical Communications*, **2019**, 55, 10932-10935	5.8	24
720	Exploring the catalytic performance of a series of bimetallic MIL-100(Fe, Ni) MOFs. *Journal of Materials Chemistry A*, **2019**, 7, 20285-20292	13	37
719	Acetylation of Alcohols, Amines, Phenols, Thiols under Catalyst and Solvent-Free Conditions. *Chemistry*, **2019**, 1, 69-79	2.1	6
718	Cu3(BTC)2 metal organic framework as heterogeneous solid catalyst for the reduction of styrenes with silane as reducing agent. *Inorganica Chimica Acta*, **2019**, 496, 119026	2.7	3
717	Nitrogen-doped graphene as metal free basic catalyst for coupling reactions. *Journal of Catalysis*, **2019**, 376, 238-247	7.3	13
716	Modulating charge carrier density and mobility in doped graphene by covalent functionalization. *Chemical Communications*, **2019**, 55, 9999-10002	5.8	4
715	Quality Improvement of Few-Layers Defective Graphene from Biomass and Application for H Generation. *Nanomaterials*, **2019**, 9,	5.4	16
714	Titanium-Perovskite-Supported RuO2 Nanoparticles for Photocatalytic CO2 Methanation. *Joule*, **2019**, 3, 1949-1962	27.8	52
713	Hybrid benzidinium lead iodide perovskites with a 1D structure as photoinduced electron transfer photocatalysts. *Sustainable Energy and Fuels*, **2019**, 3, 2356-2360	5.8	4

712	A Heterogeneous Carbon Nitride–Nickel Photocatalyst for Efficient Low-Temperature CO2 Methanation. *Advanced Energy Materials*, **2019**, 9, 1902738	21.8	35
711	Long-Term Photostability in Terephthalate Metal-Organic Frameworks. *Angewandte Chemie - International Edition*, **2019**, 58, 17843-17848	16.4	22
710	Surface Silylation of Hybrid Benzidinium Lead Perovskite and its Influence on the Photocatalytic Activity. *ChemCatChem*, **2019**, 11, 6384-6390	5.2	5
709	A comparative photocatalytic study of TiO2 loaded on three natural clays with different morphologies. *Applied Clay Science*, **2019**, 183, 105352	5.2	20
708	Long-Term Photostability in Terephthalate Metal–Organic Frameworks. *Angewandte Chemie*, **2019**, 131, 18007-18012	3.6	6
707	Nitrogen Heterocycles: Porphyrins. *Catalytic Science Series*, **2019**, 317-357	0.4	
706	Metal organic frameworks as solid catalysts for liquid-phase continuous flow reactions. *Chemical Communications*, **2019**, 56, 26-45	5.8	39
705	Polystyrene as Graphene Film and 3D Graphene Sponge Precursor. *Nanomaterials*, **2019**, 9,	5.4	10
704	A Cu-Doped ZIF-8 metal organic framework as a heterogeneous solid catalyst for aerobic oxidation of benzylic hydrocarbons. *New Journal of Chemistry*, **2019**, 43, 18702-18712	3.6	15
703	A Thiophene-2-carboxamide-Functionalized Zr(IV) Organic Framework as a Prolific and Recyclable Heterogeneous Catalyst for Regioselective Ring Opening of Epoxides. *Inorganic Chemistry*, **2019**, 58, 16581-16591	5.1	9
702	Subphthalocyanine encapsulated within MIL-101(Cr)-NH as a solar light photoredox catalyst for dehalogenation of α-haloacetophenones. *Dalton Transactions*, **2019**, 48, 17735-17740	4.3	9
701	3D defective graphenes with subnanometric porosity obtained by soft-templating following zeolite procedures. *Nanoscale Advances*, **2019**, 1, 4827-4833	5.1	3
700	Formation of C–C and C–Heteroatom Bonds by C–H Activation by Metal Organic Frameworks as Catalysts or Supports. *ACS Catalysis*, **2019**, 9, 1081-1102	13.1	69
699	CO2 methanation catalyzed by oriented MoS2 nanoplatelets supported on few layers graphene. *Applied Catalysis B: Environmental*, **2019**, 245, 351-359	21.8	38
698	Phosphorus-Doped Graphene as a Metal-Free Material for Thermochemical Water Reforming at Unusually Mild Conditions. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 838-846	8.3	17
697	Engineering UiO-66 Metal Organic Framework for Heterogeneous Catalysis. *ChemCatChem*, **2019**, 11, 899-923	5.2	104
696	Photoassisted CO2 Conversion to Fuels. *ChemCatChem*, **2019**, 11, 342-356	5.2	32
695	Liquid phase aerobic oxidation of cyclic and linear hydrocarbons using iron metal organic frameworks as solid heterogeneous catalyst. *Molecular Catalysis*, **2019**, 463, 54-60	3.3	10

694	Catalysis by Supported Gold Nanoparticles **2019**, 91-108		2
693	Uniform nanoporous graphene sponge from natural polysaccharides as a metal-free electrocatalyst for hydrogen generation.. *RSC Advances*, **2018**, 9, 99-106	3.7	16
692	General aspects in the use of graphenes in catalysis. *Materials Horizons*, **2018**, 5, 363-378	14.4	33
691	Defective graphene as a metal-free catalyst for chemoselective olefin hydrogenation by hydrazine. *Catalysis Science and Technology*, **2018**, 8, 1589-1598	5.5	10
690	Oxidation of styrene using TiO2-graphene oxide composite as solid heterogeneous catalyst with hydroperoxide as oxidant. *Catalysis Communications*, **2018**, 108, 41-45	3.2	14
689	Catalyst-free one step synthesis of large area vertically stacked N-doped graphene-boron nitride heterostructures from biomass source. *Nanoscale*, **2018**, 10, 4391-4397	7.7	18
688	Catalytic Properties of 3D Graphene-Like Microporous Carbons Synthesized in a Zeolite Template. *ACS Catalysis*, **2018**, 8, 1779-1789	13.1	24
687	A highly stable and hierarchical tetrathiafulvalene-based metal-organic framework with improved performance as a solid catalyst. *Chemical Science*, **2018**, 9, 2413-2418	9.4	37
686	Iron oxide nanoparticles supported on diamond nanoparticles as efficient and stable catalyst for the visible light assisted Fenton reaction. *Applied Catalysis B: Environmental*, **2018**, 226, 242-251	21.8	34
685	The mechanism of photocatalytic CO reduction by graphene-supported CuO probed by sacrificial electron donors. *Photochemical and Photobiological Sciences*, **2018**, 17, 829-834	4.2	16
684	Engineering active sites on reduced graphene oxide by hydrogen plasma irradiation: mimicking bifunctional metal/supported catalysts in hydrogenation reactions. *Green Chemistry*, **2018**, 20, 2611-2623	10	14
683	Sunlight-assisted hydrogenation of CO 2 into ethanol and C2+ hydrocarbons by sodium-promoted Co@C nanocomposites. *Applied Catalysis B: Environmental*, **2018**, 235, 186-196	21.8	70
682	Cu3(BTC)2 metal-organic framework catalyzed N-arylation of benzimidazoles and imidazoles with phenylboronic acid. *Journal of Industrial and Engineering Chemistry*, **2018**, 65, 120-126	6.3	9
681	Reduction of C?C Double Bonds by Hydrazine Using Active Carbons as Metal-Free Catalysts. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 5607-5614	8.3	18
680	Tuning of Metal Organic Frameworks by Pre- and Post-synthetic Functionalization for Catalysis and Separations **2018**, 297-339		
679	Encapsulated Metallic Nanoparticles in Metal Organic Frameworks: Toward Their Use in Catalysis **2018**, 399-445		2
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