Victor A De La PeÃ±a O'shea

List of Publications by Year
in descending order

137 papers	5,708 citations	57758 44 h-index	91884 69 g-index
140 all docs	140 docs citations	140 times ranked	7632 citing authors

#	Article	IF	Citations
1	Hybrid materials based on conjugated polymers and inorganic semiconductors as photocatalysts: from environmental to energy applications. Chemical Society Reviews, 2019, 48, 5454-5487.	38.1	228
2	Effect of metalâ€“support interaction on the selective hydrodeoxygenation of anisole to aromatics over Ni-based catalysts. Applied Catalysis B: Environmental, 2014, 145, 91-100.	20.2	192
3	Green Microwave Synthesis of MILâ€100(Al, Cr, Fe) Nanoparticles for Thinâ€Film Elaboration. European Journal of Inorganic Chemistry, 2012, 2012, 5165-5174.	2.0	176
4	Unravelling the effect of charge dynamics at the plasmonic metal/semiconductor interface for CO2 photoreduction. Nature Communications, 2018, 9, 4986.	12.8	168
5	Ni₂P/SBA-15 As a Hydrodeoxygenation Catalyst with Enhanced Selectivity for the Conversion of Methyl Oleate Into n-Octadecane. ACS Catalysis, 2012, 2, 592-598.	11.2	160
6	Thermochemical energy storage at high temperature via redox cycles of Mn and Co oxides: Pure oxides versus mixed ones. Solar Energy Materials and Solar Cells, 2014, 123, 47-57.	6.2	137
7	Formaldehyde/methanol combustion on alumina-supported manganese-palladium oxide catalyst. Applied Catalysis B: Environmental, 2004, 51, 83-91.	20.2	128
8	Alumina-supported manganese- and manganeseâ€“palladium oxide catalysts for VOCs combustion. Catalysis Communications, 2003, 4, 223-228.	3.3	126
9	Dichromatic Photocatalytic Substitutions of Aryl Halides with a Small Organic Dye. Chemistry - A European Journal, 2018, 24, 105-108.	3.3	113
10	Fischerâ€“Tropsch synthesis on mono- and bimetallic Co and Fe catalysts in fixed-bed and slurry reactors. Applied Catalysis A: General, 2007, 326, 65-73.	4.3	103
11	Influence of feed composition on the activity of Mn and PdMn/Al2O3 catalysts for combustion of formaldehyde/methanol. Applied Catalysis B: Environmental, 2005, 57, 191-199.	20.2	101
12	On the selectivity of CO2 photoreduction towards CH4 using Pt/TiO2 catalysts supported on mesoporous silica. Applied Catalysis B: Environmental, 2018, 239, 68-76.	20.2	98
13	Hydrocarbons production through hydrotreating of methyl esters over Ni and Co supported on SBA-15 and Al-SBA-15. Catalysis Today, 2013, 210, 81-88.	4.4	94
14	Effect of Au surface plasmon nanoparticles on the selective CO2 photoreduction to CH4. Applied Catalysis B: Environmental, 2015, 178, 177-185.	20.2	94
15	The electronic structure of transition metal oxides for oxygen evolution reaction. Journal of Materials Chemistry A, 2021, 9, 19465-19488.	10.3	90
16	Direct evidence of the SMSI decoration effect: the case of Co/TiO2 catalyst. Chemical Communications, 2011, 47, 7131.	4.1	87
17	X-ray diffraction study of Co3O4 activation under ethanol steam-reforming. Catalysis Today, 2007, 126, 148-152.	4.4	85
18	Covalent organic nanosheets for bioimaging. Chemical Science, 2018, 9, 8382-8387.	7.4	84

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19	A Molecule-Based Nanoporous Material Showing Tuneable Spin-Crossover Behavior near Room Temperature. Advanced Materials, 2007, 19, 1397-1402.	21.0	83
20	Electronic and magnetic structure of bulk cobalt: The Î±, Î², and Îµ-phases from density functional theory calculations. Journal of Chemical Physics, 2010, 133, 024701.	3.0	83
21	Development of Hexagonal Closed-Packed Cobalt Nanoparticles Stable at High Temperature. Chemistry of Materials, 2009, 21, 5637-5643.	6.7	81
22	Evidence for spontaneous CO2 activation on cobalt surfaces. Chemical Physics Letters, 2008, 454, 262-268.	2.6	76
23	CO2 reduction over NaNbO3 and NaTaO3 perovskite photocatalysts. Photochemical and Photobiological Sciences, 2017, 16, 17-23.	2.9	76
24	Mechanistic View of the Main Current Issues in Photocatalytic CO₂ Reduction. Journal of Physical Chemistry Letters, 2018, 9, 7192-7204.	4.6	76
25	Hydroxamate Titaniumâ€“Organic Frameworks and the Effect of Siderophore-Type Linkers over Their Photocatalytic Activity. Journal of the American Chemical Society, 2019, 141, 13124-13133.	13.7	73
26	Influence of the Ni/P ratio and metal loading on the performance of NixPy/SBA-15 catalysts for the hydrodeoxygenation of methyl oleate. Fuel, 2015, 144, 60-70.	6.4	70
27	Heterogeneous Catalysis with Alkalineâ€Earth Metalâ€Based MOFs: A Green Calcium Catalyst. ChemCatChem, 2010, 2, 147-149.	3.7	68
28	Cobalt based catalysts prepared by Pechini method for CO2-free hydrogen production by methane decomposition. International Journal of Hydrogen Energy, 2010, 35, 10285-10294.	7.1	68
29	Enhancement of hydrocarbon production via artificial photosynthesis due to synergetic effect of Ag supported on TiO2 and ZnO semiconductors. Chemical Engineering Journal, 2013, 224, 128-135.	12.7	63
30	Effect of copper on the performance of ZnO and ZnO1â^'xNx oxides as CO2 photoreduction catalysts. Catalysis Today, 2013, 209, 21-27.	4.4	62
31	Hierarchical TiO 2 nanofibres as photocatalyst for CO 2 reduction: Influence of morphology and phase composition on catalytic activity. Journal of CO2 Utilization, 2016, 15, 24-31.	6.8	61
32	Fundamental Insights into Photoelectrocatalytic Hydrogen Production with a Hole-Transport Bismuth Metalâ€“Organic Framework. Journal of the American Chemical Society, 2020, 142, 318-326.	13.7	60
33	Tailoring the Electronic Structures of the La₂NiMnO₆ Double Perovskite as Efficient Bifunctional Oxygen Electrocatalysis. Chemistry of Materials, 2021, 33, 2062-2071.	6.7	58
34	Three Lanthanum MOF Polymorphs: Insights into Kinetically and Thermodynamically Controlled Phases. Inorganic Chemistry, 2009, 48, 4707-4713.	4.0	56
35	Methyl ethyl ketone combustion over La-transition metal (Cr, Co, Ni, Mn) perovskites. Applied Catalysis B: Environmental, 2009, 92, 445-453.	20.2	54
36	Dynamic Calcium Metalâ€“Organic Framework Acts as a Selective Organic Solvent Sponge. Chemistry - A European Journal, 2010, 16, 11632-11640.	3.3	53

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37	Structural changes and activation treatment in a Co/SiO2 catalyst for Fischerâ€“Tropsch synthesis. Catalysis Today, 2006, 114, 422-427.	4.4	51
38	Surface and Structural Features of Co-Fe Oxide Nanoparticles Deposited on a Silica Substrate. European Journal of Inorganic Chemistry, 2006, 2006, 5057-5068.	2.0	50
39	Development of robust Co-based catalysts for the selective H2-production by ethanol steam-reforming. The Fe-promoter effect. International Journal of Hydrogen Energy, 2008, 33, 3601-3606.	7.1	48
40	Addressed realization of multication complex arrangements in metal-organic frameworks. Science Advances, 2017, 3, e1700773.	10.3	47
41	Combined Photoredox and Iron Catalysis for the Cyclotrimerization of Alkynes. Angewandte Chemie - International Edition, 2020, 59, 13473-13478.	13.8	47
42	Unusually High Selectivity to C2+ Alcohols on Bimetallic CoFe Catalysts During CO Hydrogenation. Catalysis Letters, 2003, 88, 123-128.	2.6	46
43	A Bifunctional Photoaminocatalyst for the Alkylation of Aldehydes: Design, Analysis, and Mechanistic Studies. ACS Catalysis, 2018, 8, 5928-5940.	11.2	46
44	Conjugated porous polymer based on BOPHY dyes as photocatalyst under visible light. Applied Catalysis B: Environmental, 2019, 258, 117933.	20.2	46
45	Kinetics and selectivity of methyl-ethyl-ketone combustion in air over alumina-supported PdOxâ€“MnOx catalysts. Journal of Catalysis, 2009, 261, 50-59.	6.2	45
46	Insight into the Correlation between Net Topology and Ligand Coordination Mode in New Lanthanide MOFs Heterogeneous Catalysts: A Theoretical and Experimental Approach. Crystal Growth and Design, 2012, 12, 5535-5545.	3.0	45
47	Conjugated Porous Polymers: Groundâ€Breaking Materials for Solar Energy Conversion. Advanced Energy Materials, 2021, 11, 2101530.	19.5	44
48	Photocatalytic hydrogen production in the water/methanol system using Pt/RE:NaTaO3 (REÂ=ÂY, La, Ce,) Tj ETQq0 0 0 rgBT /Overlock 1	7.1	43
49	Ga-Promoted Photocatalytic H2 Production over Pt/ZnO Nanostructures. ACS Applied Materials & Interfaces, 2016, 8, 23729-23738.	8.0	43
50	High rate hybrid MnO₂@CNT fabric anodes for Li-ion batteries: properties and a lithium storage mechanism study by in situ synchrotron X-ray scattering. Journal of Materials Chemistry A, 2019, 7, 26596-26606.	10.3	43
51	The Usefulness of Time-Dependent Density Functional Theory to Describe the Electronic Spectra of Ti-Containing Catalysts. Angewandte Chemie - International Edition, 2003, 42, 5851-5854.	13.8	42
52	H3O2 Bridging Ligand in a Metalâ€“Organic Framework. Insight into the Aqua-Hydroxoâ†”Hydroxyl Equilibrium: A Combined Experimental and Theoretical Study. Journal of the American Chemical Society, 2013, 135, 5782-5792.	13.7	42
53	Photoelectrochemical Hydrogen Evolution Driven by Visible-to-Ultraviolet Photon Upconversion. ACS Applied Energy Materials, 2019, 2, 207-211.	5.1	41
54	Synergistic effect of Pd in methane combustion PdMnO /Al2O3 catalysts. Catalysis Communications, 2007, 8, 1287-1292.	3.3	40

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55	Ferrite Materials for Photoassisted Environmental and Solar Fuels Applications. Topics in Current Chemistry, 2020, 378, 6.	5.8	39
56	Correlating the electronic structure of perovskite La1â˜'Sr CoO3 with activity for the oxygen evolution reaction: The critical role of Co 3d hole state. Journal of Energy Chemistry, 2022, 65, 637-645.	12.9	39
57	Synchronized biphotonic process triggering C C coupling catalytic reactions. Applied Catalysis B: Environmental, 2018, 237, 18-23.	20.2	38
58	Chromoselective access to Z- or E- allylated amines and heterocycles by a photocatalytic allylation reaction. Nature Communications, 2019, 10, 2634.	12.8	38
59	Hybrids Based on BOPHY-Conjugated Porous Polymers as Photocatalysts for Hydrogen Production: Insight into the Charge Transfer Pathway. ACS Catalysis, 2020, 10, 9804-9812.	11.2	38
60	Ce-promoted Ni/SBA-15 catalysts for anisole hydrotreating under mild conditions. Applied Catalysis B: Environmental, 2016, 197, 206-213.	20.2	37
61	Spin transition in a triazine-based Fe(ii) complex: variable-temperature structural, thermal, magnetic and spectroscopic studies. Journal of Materials Chemistry, 2006, 16, 2669-2676.	6.7	36
62	Co-production of graphene sheets and hydrogen by decomposition of methane using cobalt based catalysts. Energy and Environmental Science, 2011, 4, 778.	30.8	36
63	Enhancing Metalâ€“Organic Framework Net Robustness by Successive Linker Coordination Increase: From a Hydrogen-Bonded Two-Dimensional Supramolecular Net to a Covalent One Keeping the Topology. Crystal Growth and Design, 2014, 14, 5227-5233.	3.0	36
64	The Usefulness of Density Functional Theory To Describe the Tautomeric Equilibrium of 4,6-Dimethyl-2-mercaptopyrimidine in Solution. Journal of Physical Chemistry A, 2003, 107, 7490-7495.	2.5	35
65	Strong enhancement of the Fischerâ€“Tropsch synthesis on a Co/SiO2 catalyst activate in syngas mixture. Catalysis Communications, 2004, 5, 635-638.	3.3	34
66	The role of the surface acidic/basic centers and redox sites on TiO2 in the photocatalytic CO2 reduction. Applied Catalysis B: Environmental, 2022, 303, 120931.	20.2	34
67	Strong dependence on pressure of the performance of a Co/SiO2 catalyst in Fischerâ€“Tropsch slurry reactor synthesis. Catalysis Letters, 2005, 100, 105-116.	2.6	33
68	Advances in the design of ordered mesoporous materials for low-carbon catalytic hydrogen production. Journal of Materials Chemistry A, 2013, 1, 12016.	10.3	33
69	Correcting Flaws in the Assignment of Nitrogen Chemical Environments in N-Doped Graphene. Journal of Physical Chemistry C, 2019, 123, 11319-11327.	3.1	33
70	Palladium-manganese catalysts supported on monolith systems for methane combustion. Applied Catalysis B: Environmental, 2008, 79, 122-131.	20.2	30
71	Thermodynamic and Kinetic Control on the Formation of Two Novel Metal-Organic Frameworks Based on the Er(III) Ion and the Asymmetric Dimethylsuccinate Ligand. Inorganic Chemistry, 2010, 49, 5063-5071.	4.0	30
72	Influence of surface density on the CO2 photoreduction activity of a DC magnetron sputtered TiO2 catalyst. Applied Catalysis B: Environmental, 2018, 224, 912-918.	20.2	30

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73	Silverâ€“Gold Bimetal-Loaded TiO₂ Photocatalysts for CO₂ Reduction. Industrial & Engineering Chemistry Research, 2020, 59, 9440-9450.	3.7	30
74	Understanding Charge Transfer Mechanism on Effective Truxene-Based Porous Polymersâ€“TiO₂ Hybrid Photocatalysts for Hydrogen Evolution. ACS Applied Energy Materials, 2020, 3, 4411-4420.	5.1	29
75	Mixed NaNb_xTa_{1â^'x}O₃ perovskites as photocatalysts for H₂ production. Green Chemistry, 2015, 17, 1735-1743.	9.0	28
76	Carbon nanotube synthesis and spinning as macroscopic fibers assisted by the ceramic reactor tube. Scientific Reports, 2019, 9, 9239.	3.3	28
77	Mild temperature hydrogen production by methane decomposition over cobalt catalysts prepared with different precipitating agents. International Journal of Hydrogen Energy, 2012, 37, 7034-7041.	7.1	27
78	Conjugated Porous Polymers Based on BODIPY and BOPHY Dyes in Hybrid Heterojunctions for Artificial Photosynthesis. Advanced Functional Materials, 2021, 31, 2105384.	14.9	25
79	Insight into the SBU Condensation in Mg Coordination and Supramolecular Frameworks: A Combined Experimental and Theoretical Study. Journal of the American Chemical Society, 2012, 134, 4762-4771.	13.7	24
80	One-Metal/Two-Ligand for Dual Activation Tandem Catalysis: Photoinduced Cu-Catalyzed Anti-hydroboration of Alkynes. Journal of the American Chemical Society, 2022, 144, 13006-13017.	13.7	24
81	Synthesis of bis[N,O-{2â€²-pyridyl-methanolate}]dioxomolybdenum(VI) epoxidation catalyst and novel crystal structure derived from X-ray diffraction and DFT calculations. Journal of Molecular Catalysis A, 2004, 214, 269-272.	4.8	23
82	TD-DFT analysis of the electronic spectra of Ti-containing catalysts. Topics in Catalysis, 2006, 41, 27-34.	2.8	23
83	The role of the Pb2+ 6s lone pair in the structure of the double perovskite Pb2ScSbO6. Dalton Transactions, 2009, , 5453.	3.3	22
84	Synthesis of Nickel Phosphide Nanorods as Catalyst for the Hydrotreating of Methyl Oleate. Topics in Catalysis, 2012, 55, 991-998.	2.8	22
85	Photocatalytic H2 production from aqueous methanol solutions using metal-co-catalysed Zn2SnO4 nanostructures. Applied Catalysis B: Environmental, 2016, 191, 106-115.	20.2	20
86	Elucidating the Photoredox Nature of Isolated Iron Active Sites on MCM-41. ACS Catalysis, 2017, 7, 1646-1654.	11.2	19
87	Catalytic behaviour of Pt or Pd metal nanoparticlesâ€“zeolite bifunctional catalysts for n-pentane hydroisomerization. Catalysis Communications, 2007, 8, 2081-2086.	3.3	17
88	Influence of structural and morphological characteristics onÂtheÂhydrogen production and sodium recovery in the NaOHâ€“MnO thermochemical cycle. International Journal of Hydrogen Energy, 2013, 38, 13143-13152.	7.1	17
89	Selectivity in UV photocatalytic CO2 conversion over bare and silver-decorated niobium-tantalum perovskites. Catalysis Today, 2021, 361, 85-93.	4.4	17
90	H2 production by CH4 decomposition over metallic cobalt nanoparticles: Effect of the catalyst activation. Applied Catalysis A: General, 2013, 467, 371-379.	4.3	16

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91	Interfacial studies in CNT fibre/TiO2 photoelectrodes for efficient H2 production. Applied Catalysis B: Environmental, 2020, 268, 118613.	20.2	16
92	Role of the physicochemical properties of hausmannite on the hydrogen production via the Mn3O4â€“NaOH thermochemical cycle. International Journal of Hydrogen Energy, 2016, 41, 113-122.	7.1	15
93	Laser-Reduced BiVO₄ for Enhanced Photoelectrochemical Water Splitting. ACS Applied Materials & Interfaces, 2022, 14, 33200-33210.	8.0	15
94	Macroscopic yarns of FeCl3-intercalated collapsed carbon nanotubes with high doping and stability. Carbon, 2021, 173, 311-321.	10.3	14
95	Self-supported ultra-active NiO-based electrocatalysts for the oxygen evolution reaction by solution combustion. Journal of Materials Chemistry A, 2021, 9, 12700-12710.	10.3	14
96	Ionic liquid-assisted synthesis of F-doped titanium dioxide nanomaterials with high surface area for multi-functional catalytic and photocatalytic applications. Applied Catalysis A: General, 2021, 613, 118029.	4.3	14
97	Catalytic behaviour of bifunctional pumice-supported and zeolite/pumice hybrid catalysts for n-pentane hydroisomerization. Applied Catalysis A: General, 2008, 350, 38-45.	4.3	13
98	Crystal phase competition by addition of a second metal cation in solid solution metalâ€“organic frameworks. Dalton Transactions, 2016, 45, 4327-4337.	3.3	13
99	A molecular approach to the synthesis of platinum-decorated mesoporous graphitic carbon nitride as selective CO2 reduction photocatalyst. Journal of CO2 Utilization, 2021, 50, 101574.	6.8	13
100	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mrow><mml:mi>Ni</mml:mi></mml:mrow><mml:mrow><mml:mn> -induced semiconductor-to-metal transition in spinel nickel cobaltite thin films. Physical Review B, 2021, 104, .	3.2	13
101	Hierarchical Co₃O₄ nanorods anchored on nitrogen doped reduced graphene oxide: a highly efficient bifunctional electrocatalyst for rechargeable Znâ€“air batteries. Catalysis Science and Technology, 2020, 10, 1444-1457.	4.1	13
102	Structural and electronic insight into the effect of indium doping on the photocatalytic performance of TiO₂ for CO₂ conversion. Journal of Materials Chemistry A, 2022, 10, 6054-6064.	10.3	13
103	Transition Metal Phosphide Nanoparticles Supported on SBA-15 as Highly Selective Hydrodeoxygenation Catalysts for the Production of Advanced Biofuels. Journal of Nanoscience and Nanotechnology, 2015, 15, 6642-6650.	0.9	12
104	Highly efficient multi-metal catalysts for carbon dioxide reduction prepared from atomically sequenced metal organic frameworks. Nano Research, 2021, 14, 493-500.	10.4	12
105	Photoinduced Charge Transfer and Trapping on Single Gold Metal Nanoparticles on TiO₂. ACS Applied Materials & Interfaces, 2021, 13, 50531-50538.	8.0	12
106	DFT study of electronic spectra and excited-state properties of some 1,8-naphthalimide derivatives. International Journal of Quantum Chemistry, 2003, 91, 446-450.	2.0	11
107	Factors influencing the photocatalytic activity ofÂalkali Nb Ta perovskites for hydrogen production from aqueous methanol solutions. International Journal of Hydrogen Energy, 2016, 41, 19921-19928.	7.1	11
108	A Facile Synthesis of Blue Luminescent [7]Helicenocarbazoles Based on Goldâ€Catalyzed Rearrangementâ€Iodonium Migration and Suzukiâ€“Miyaura Benzannulation Reactions. Chemistry - A European Journal, 2018, 24, 7620-7625.	3.3	11

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109	Photoâ€Induced Selfâ€Cleaning and Wettability in TiO₂ Nanocolumn Arrays Obtained by Glancingâ€Angle Deposition with Sputtering. Advanced Sustainable Systems, 2021, 5, 2100071.	5.3	11
110	Effect of La as Promoter in the Photoreduction of CO2 Over TiO2 Catalysts. Topics in Catalysis, 2017, 60, 1119-1128.	2.8	9
111	Exploring the alternative MnO-Na2CO3 thermochemical cycle for water splitting. Journal of CO2 Utilization, 2020, 42, 101264.	6.8	9
112	Assessing the feasibility of reduced graphene oxide as an electronic promoter for photocatalytic hydrogen production over Nb-Ta perovskite photocatalysts. Catalysis Today, 2021, 362, 22-27.	4.4	9
113	Effect of the TiO 2 Nanocrystal Dispersion Over SBAâ€15 in the Photocatalytic H 2 Production Using Ethanol as Electron Donor. Advanced Sustainable Systems, 0, , 2100133.	5.3	9
114	Mesityl or Imide Acridinium Photocatalysts: Accessible Versus Inaccessible Chargeâ€Transfer States in Photoredox Catalysis. ChemPhotoChem, 2019, 3, 609-612.	3.0	8
115	TiO2-reduced graphene oxide-Pt nanocomposites for the photogeneration of hydrogen from ethanol liquid and gas phases. Catalysis Today, 2021, 380, 41-52.	4.4	8
116	Current Challenges of CO2 Photocatalytic Reduction Over Semiconductors Using Sunlight. , 2015, , 171-191.		7
117	Bringing Earth-Abundant Plasmonic Catalysis to Light: Gram-Scale Mechanochemical Synthesis and Tuning of Activity by Dual Excitation of Antenna and Reactor Sites. ACS Sustainable Chemistry and Engineering, 2021, 9, 9750-9760.	6.7	7
118	Metal-catalyst-free gas-phase synthesis of long-chain hydrocarbons. Nature Communications, 2021, 12, 5937.	12.8	7
119	Ferrite Materials for Photoassisted Environmental and Solar Fuels Applications. Topics in Current Chemistry Collections, 2020, , 107-162.	0.5	7
120	Localization and Impact of Pb-Non-Bonded Electronic Pair on the Crystal and Electronic Structure of Pb2YSbO6. Inorganic Chemistry, 2014, 53, 5609-5618.	4.0	6
121	Unravelling nanostructured Nb-doped TiO₂ dual band behaviour in smart windows by in situ spectroscopies. Journal of Materials Chemistry A, 2022, 10, 19994-20004.	10.3	6
122	Synthetic approaches to artificial photosynthesis: general discussion. Faraday Discussions, 2019, 215, 242-281.	3.2	5
123	Understanding ultrafast charge transfer processes in SnS and SnS₂: using the core hole clock method to measure attosecond orbital-dependent electron delocalisation in semiconducting layered materials. Journal of Materials Chemistry C, 2021, 9, 11859-11872.	5.5	5
124	Improved Methane Production by Photocatalytic CO2 Conversion over Ag/In2O3/TiO2 Heterojunctions. Materials, 2022, 15, 843.	2.9	5
125	New Concepts for Production of Scalable Single Layer Oxidized Regions by Local Anodic Oxidation of Graphene. Small, 2019, 15, 1902817.	10.0	4
126	VALORIZACION DE CO2. Â¿ RESIDUO O MATERIA PRIMA?. Dyna (Spain), 2012, 87, 145-148.	0.2	3

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127	Recent Advances Towards Sustainable Materials and Processes for Energy Conversion and Storage. Advanced Energy Materials, 2021, 11, 2102874.	19.5	3
128	Demonstrator devices for artificial photosynthesis: general discussion. Faraday Discussions, 2019, 215, 345-363.	3.2	2
129	Controlled Synthesis of Up-Conversion NaYF4:Yb,Tm Nanoparticles for Drug Release under Near IR-Light Therapy. Biomedicines, 2021, 9, 1953.	3.2	2
130	Influence of Post-Synthesis Modifications of Ti1â^'xZrxO2 Nanocrystallites on Their Photocatalytic Activity for Toluene and Methylcyclohexane Degradation. Journal of Nanoscience and Nanotechnology, 2019, 19, 7810-7818.	0.9	1
131	2D Materials Oxidation: New Concepts for Production of Scalable Single Layer Oxidized Regions by Local Anodic Oxidation of Graphene (Small 40/2019). Small, 2019, 15, 1970217.	10.0	1
132	Highly porous Tiâ€"Ni anodes for electrochemical oxidations. Sustainable Energy and Fuels, 2020, 4, 4003-4007.	4.9	1
133	The Role of Co-catalysts: Interaction and Synergies with Semiconductors. Green Energy and Technology, 2013, , 195-216.	0.6	1
134	New Insight into Sorption Cycling Stability of Three Al-Based MOF Materials in Water Vapour. Nanomaterials, 2022, 12, 2092.	4.1	1
135	Metalâ€"organic frameworks based on conjugated organic ligands for optoelectronic applications. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, C202-C202.	0.1	0
136	Heterogeneous photocatalysis. , 2021, , 1-38.		0
137	Sulfur polyconjugated organic ligands as building block in photoactive metalâ€"organic frameworks. Acta Crystallographica Section A: Foundations and Advances, 2018, 74, e372-e373.	0.1	0