

Pardis Simon

List of Publications by Year in descending order

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32
papers

566
citations

686830

13
h-index

642321

23
g-index

33
all docs

33
docs citations

33
times ranked

999
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel insights into the charge storage mechanism in pseudocapacitive vanadium nitride thick films for high-performance on-chip micro-supercapacitors. <i>Energy and Environmental Science</i> , 2020, 13, 949-957.	15.6	78
2	N-Doped Titanium Monoxide Nanoparticles with TiO Rock-Salt Structure, Low Energy Band Gap, and Visible Light Activity. <i>Chemistry of Materials</i> , 2010, 22, 3704-3711.	3.2	73
3	Multifunctional nanocomposites with non-precious metals and magnetic core for 5-HMF oxidation to FDCA. <i>Applied Catalysis B: Environmental</i> , 2020, 278, 119309.	10.8	54
4	Development of nickel supported La and Ce-natural illite clay for autothermal dry reforming of methane: Toward a better resistance to deactivation. <i>Applied Catalysis B: Environmental</i> , 2017, 205, 519-531.	10.8	50
5	Direct photocurrent generation from nitrogen doped TiO ₂ electrodes in solid-state dye-sensitized solar cells: Towards optically-active metal oxides for photovoltaic applications. <i>Solar Energy Materials and Solar Cells</i> , 2013, 117, 624-631.	3.0	42
6	Grafting polymers to titania nanoparticles by radical polymerization initiated by diazonium salt. <i>Journal of Materials Science</i> , 2011, 46, 6332-6338.	1.7	40
7	TiO ₂ Nanocrystals Synthesized by Laser Pyrolysis for the Up-scaling of Efficient Solid-State Dye-Sensitized Solar Cells. <i>Advanced Energy Materials</i> , 2011, 1, 908-916.	10.2	29
8	Influence of stainless steel surface properties on whey protein fouling under industrial processing conditions. <i>Journal of Food Engineering</i> , 2018, 228, 38-49.	2.7	25
9	Properties and activity of Zn-Ta-TUD-1 in the Lebedev process. <i>Green Chemistry</i> , 2020, 22, 2558-2574.	4.6	17
10	Mn- or Cu- substituted LaFeO ₃ -based three-way catalysts: Highlighting different catalytically operating modes of La-Fe	10.8	17
11	Evaluation of electrochemical performances of ZnFe ₂ O ₄ /Fe ₂ O ₃ nanoparticles prepared by laser pyrolysis. <i>New Journal of Chemistry</i> , 2017, 41, 9236-9243.	1.4	16
12	Selective ligand-free cobalt-catalysed reduction of esters to aldehydes or alcohols. <i>Catalysis Science and Technology</i> , 2018, 8, 3504-3512.	2.1	15
13	Methane steam reforming in water-deficient conditions on a new Ni-exsolved Ruddlesden-Popper manganite: Coke formation and H ₂ S poisoning. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 27145-27159.	3.8	13
14	Production of styrene by dehydrogenation of ethylbenzene on a [Re, W]/Al ₂ O ₃ (K, Ce)/Al ₂ O ₃ porous ceramic catalytic converter. <i>Chemical Engineering and Processing: Process Intensification</i> , 2021, 160, 108265.	1.8	10
15	Iron and copper nanoparticles inside and outside carbon nanotubes: Nanoconfinement, migration, interaction and catalytic performance in Fischer-Tropsch synthesis. <i>Journal of Catalysis</i> , 2021, 404, 306-323.	3.1	9
16	X-ray absorption investigation of titanium oxynitride nanoparticles obtained from laser pyrolysis. <i>Chemical Physics</i> , 2013, 418, 47-56.	0.9	8
17	Nanoporous Platinum Doped Cerium Oxides Thin Films Grown on Silicon Substrates: Ionic Platinum Localization and Stability. <i>Advanced Materials Interfaces</i> , 2017, 4, 1600821.	1.9	8
18	Rethinking Electronic and Geometric Structures of Real Hydrodesulfurization Catalysts by In Situ Photon-In/Photon-Out Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2020, 124, 17586-17598.	1.5	7

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19	Study of applicability in an aqueous paint of the blue pigment YIn _{0.95} Mn _{0.05} O ₃ . Dyes and Pigments, 2018, 156, 17-25.	2.0	6
20	The hidden story in BaNiO ₃ to BaNiO ₂ transformation: adaptive structural series and NiO exsolution. Chemical Communications, 2019, 55, 3717-3720.	2.2	6
21	Effect of Adding Transition Metals to Copper on the Dehydrogenation Reaction of Ethanol. Catalysis Letters, 2021, 151, 2864-2883.	1.4	6
22	Observation of surface reduction in porous ceria thin film grown on graphite foil substrate. Materials Today: Proceedings, 2016, 3, 2772-2779.	0.9	5
23	Mixed-Valence Iron Dumortierite Fe _{13.5} ^{+2.22+} (As ⁵⁺ O ₄) ₈ (OH) ₆ and Its Intricate Topotactic Exsolution at Mild Temperatures. Inorganic Chemistry, 2018, 57, 15093-15104.		5
24	LaFeO ₃ thin films as relevant models for the surface investigation of 3d transition metal catalysts. Surface and Interface Analysis, 2018, 50, 1018-1024.	0.8	5
25	TEMPO-Ru-BEA Composite Material for the Selective Oxidation of Alcohols to Aldehydes. ACS Catalysis, 2022, 12, 8925-8935.	5.5	5
26	Direct conversion of uranium dioxide UO ₂ to uranium tetrafluoride UF ₄ using the fluorinated ionic liquid [Bmim][PF ₆]. Dalton Transactions, 2020, 49, 274-278.	1.6	4
27	Grafting: Towards the Control of Surface Properties of any Type of Materials by the Grafting of Polymers. Advanced Materials Research, 0, 445, 797-802.	0.3	3
28	Self-supported Pt-doped ceria nanofilms directly investigated by transmission electron microscopy. Applied Surface Science, 2020, 509, 145177.	3.1	3
29	Heterogenization of Complexes by Encapsulation in Solid Micelles for Aqueous-Phase Catalysis. Chemistry of Materials, 0, , .	3.2	3
30	A high dimensional oxysulfide built from large iron-based clusters with partial charge-ordering. Chemical Communications, 2021, 57, 11859-11862.	2.2	2
31	An unusual O ²⁺ /F ⁺ distribution in the new pyrochlore oxyfluorides: Na ₂ B ₂ O ₅ F ₂ (B = Nb, Ta). Chemical Communications, 2022, 58, 2391-2394.	2.2	1
32	Comparative study of air and vacuum annealing atmosphere towards Pt/TiW/SiO ₂ stability. Thin Solid Films, 2013, 548, 138-142.	0.8	0