

Steven J Hinder

List of Publications by Year in descending order

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45
papers

1,917
citations

257450

24
h-index

254184

43
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45
docs citations

45
times ranked

2771
citing authors

#	ARTICLE	IF	CITATIONS
1	Unravelling the Impact of Ta Doping on the Electronic and Structural Properties of Titania: A Combined Theoretical and Experimental Approach. <i>Journal of Physical Chemistry C</i> , 2022, 126, 2285-2297.	3.1	2
2	High-energy sodium-ion hybrid capacitors through nanograin-boundary-induced pseudocapacitance of Co ₃ O ₄ nanorods. <i>Journal of Energy Chemistry</i> , 2022, 69, 338-346.	12.9	19
3	Unusual pseudocapacitive lithium-ion storage on defective Co ₃ O ₄ nanosheets. <i>Nanotechnology</i> , 2022, 33, 225403.	2.6	6
4	Exploring Different Binders for a LiFePO ₄ Battery, Battery Testing, Modeling and Simulations. <i>Energies</i> , 2022, 15, 2332.	3.1	13
5	Optimizing the oxide support composition in Pr-doped CeO ₂ towards highly active and selective Ni-based CO ₂ methanation catalysts. <i>Journal of Energy Chemistry</i> , 2022, 71, 547-561.	12.9	36
6	Effect of Pt nanoparticle decoration on the H ₂ storage performance of plasma-derived nanoporous graphene. <i>Carbon</i> , 2021, 171, 294-305.	10.3	27
7	Extremely pseudocapacitive interface engineered CoO@3D-NRGO hybrid anodes for high energy/ power density and ultralong life lithium-ion batteries. <i>Carbon</i> , 2021, 171, 869-881.	10.3	36
8	Continuous selective deoxygenation of palm oil for renewable diesel production over Ni catalysts supported on Al ₂ O ₃ and La ₂ O ₃ –Al ₂ O ₃ . <i>RSC Advances</i> , 2021, 11, 8569-8584.	3.6	21
9	Electrospun Fibres of Chitosan/PVP for the Effective Chemotherapeutic Drug Delivery of 5-Fluorouracil. <i>Chemosensors</i> , 2021, 9, 70.	3.6	40
10	Design Aspects of Doped CeO ₂ for Low-Temperature Catalytic CO Oxidation: Transient Kinetics and DFT Approach. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 22391-22415.	8.0	70
11	Ni ₂ P Nanoparticles Embedded in Mesoporous SiO ₂ for Catalytic Hydrogenation of SO ₂ to Elemental S. <i>ACS Applied Nano Materials</i> , 2021, 4, 5665-5676.	5.0	14
12	Realization of High Energy Density Sodium-Ion Hybrid Capacitors through Interface Engineering of Pseudocapacitive 3D-CoO-NrGO Hybrid Anodes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 27999-28009.	8.0	16
13	Metal-Free Phosphated Mesoporous SiO ₂ as Catalyst for the Low-Temperature Conversion of SO ₂ to H ₂ S in Hydrogen. <i>Nanomaterials</i> , 2021, 11, 2440.	4.1	1
14	New Insights into Crystal Defects, Oxygen Vacancies, and Phase Transition of Ir-TiO ₂ . <i>Journal of Physical Chemistry C</i> , 2021, 125, 23548-23560.	3.1	6
15	Magnetic Fe ₃ O ₄ –reduced graphene oxide composite decorated with Ag nanoparticles as electrochemical sensor and self-cleaning material for organic pollutants. <i>Journal of Porous Materials</i> , 2020, 27, 303-318.	2.6	15
16	Ternary Metal Chalcogenide Heterostructure (AgInS ₂ –TiO ₂) Nanocomposites for Visible Light Photocatalytic Applications. <i>ACS Omega</i> , 2020, 5, 406-421.	3.5	36
17	Structural Investigation of the Carbon Deposits on Ni/Al ₂ O ₃ Catalyst Modified by CaO-MgO for the Biogas Dry Reforming Reaction. , 2020, 2, .		3
18	Indium-Doped TiO ₂ Photocatalysts with High-Temperature Anatase Stability. <i>Journal of Physical Chemistry C</i> , 2019, 123, 21083-21096.	3.1	69

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19	The Relationship between Reaction Temperature and Carbon Deposition on Nickel Catalysts Based on Al ₂ O ₃ , ZrO ₂ or SiO ₂ Supports during the Biogas Dry Reforming Reaction. <i>Catalysts</i> , 2019, 9, 676.	3.5	72
20	Ni Catalysts Based on Attapulgite for Hydrogen Production through the Glycerol Steam Reforming Reaction. <i>Catalysts</i> , 2019, 9, 650.	3.5	23
21	Nanostructured Fe-Ni Sulfide: A Multifunctional Material for Energy Generation and Storage. <i>Catalysts</i> , 2019, 9, 597.	3.5	21
22	Energy storage on demand: ultra-high-rate and high-energy-density inkjet-printed NiO micro-supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 21496-21506.	10.3	63
23	Ce-Sm-Cu cost-efficient catalysts for H ₂ production through the glycerol steam reforming reaction. <i>Sustainable Energy and Fuels</i> , 2019, 3, 673-691.	4.9	34
24	Nickel Supported on AlCeO ₃ as a Highly Selective and Stable Catalyst for Hydrogen Production via the Glycerol Steam Reforming Reaction. <i>Catalysts</i> , 2019, 9, 411.	3.5	39
25	Investigation of Chemical and Physical Surface Changes of Thermally Conditioned Glass Fibres. <i>Fibers</i> , 2019, 7, 7.	4.0	4
26	Electrodeposited Nanostructured CoFe ₂ O ₄ for Overall Water Splitting and Supercapacitor Applications. <i>Catalysts</i> , 2019, 9, 176.	3.5	65
27	Cu-Doped TiO ₂ : Visible Light Assisted Photocatalytic Antimicrobial Activity. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 2067.	2.5	149
28	A growth mechanism for carbon nanotubes using metal oxides as catalysts. <i>Surface and Interface Analysis</i> , 2018, 50, 734-743.	1.8	1
29	Design of Waterborne Nanoceria/Polymer Nanocomposite UV-Absorbing Coatings: Pickering versus Blended Particles. <i>ACS Applied Nano Materials</i> , 2018, 1, 3956-3968.	5.0	20
30	Antibacterial properties of F-doped ZnO visible light photocatalyst. <i>Journal of Hazardous Materials</i> , 2017, 324, 39-47.	12.4	187
31	Polymer brush lubrication of the silicon nitride-steel contact: a colloidal force microscopy study. <i>RSC Advances</i> , 2017, 7, 42667-42676.	3.6	3
32	Photocatalytic Properties of g-C ₃ N ₄ -TiO ₂ Heterojunctions under UV and Visible Light Conditions. <i>Materials</i> , 2016, 9, 286.	2.9	72
33	Highly Efficient F, Cu doped TiO ₂ anti-bacterial visible light active photocatalytic coatings to combat hospital-acquired infections. <i>Scientific Reports</i> , 2016, 6, 24770.	3.3	145
34	Pd Loaded TiO ₂ Nanotubes for the Effective Catalytic Reduction of p-Nitrophenol. <i>Catalysis Letters</i> , 2016, 146, 474-482.	2.6	28
35	Establishing template-induced polymorphic domains for API crystallisation: the case of carbamazepine. <i>CrystEngComm</i> , 2015, 17, 6384-6392.	2.6	33
36	Nickel azamacrocyclic complex activated persulphate based oxidative degradation of methyl orange: recovery and reuse of complex using adsorbents. <i>RSC Advances</i> , 2015, 5, 31716-31724.	3.6	5

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37	Oxygen Rich Titania: A Dopant Free, High Temperature Stable, and Visibleâ€Light Active Anatase Photocatalyst. <i>Advanced Functional Materials</i> , 2011, 21, 3744-3752.	14.9	306
38	SIMS fingerprint analysis on organic substrates. <i>Surface and Interface Analysis</i> , 2010, 42, 826-829.	1.8	31
39	A Systematic Study of the Effect of Silver on the Chelation of Formic Acid to a Titanium Precursor and the Resulting Effect on the Anatase to Rutile Transformation of TiO ₂ . <i>Journal of Physical Chemistry C</i> , 2010, 114, 13026-13034.	3.1	71
40	An investigation of the distribution of minor components in complex polymeric paint formulations using ToF-SIMS depth profiling. <i>Surface and Interface Analysis</i> , 2008, 40, 436-440.	1.8	6
41	Interfacial studies of Al ₂ O ₃ deposited on 4Hâ€SiC(0001). <i>Surface and Interface Analysis</i> , 2008, 40, 822-825.	1.8	9
42	ToF-SIMS depth profiling of a complex polymeric coating employing a C60 sputter source. <i>Surface and Interface Analysis</i> , 2007, 39, 467-475.	1.8	25
43	Surface and interface analysis of complex polymeric paint formulations. <i>Surface and Interface Analysis</i> , 2006, 38, 557-560.	1.8	10
44	Interface analysis and compositional depth profiling by XPS of polymer coatings prepared using ultra-low-angle microtomy. <i>Surface and Interface Analysis</i> , 2004, 36, 1032-1036.	1.8	28
45	A ToF-SIMS investigation of a buried polymer/polymer interface exposed by ultra-low-angle microtomy. <i>Surface and Interface Analysis</i> , 2004, 36, 1575-1581.	1.8	37