

Greg F Naterer

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

330
papers

7,265
citations

43
h-index

69
g-index

366
ext. papers

8,531
ext. citations

4.7
avg, IF

6.49
L-index

#	Paper	IF	Citations
330	Exergo-economic assessment by a specific exergy costing method for an experimental thermochemical hydrogen production system. <i>International Journal of Energy Research</i> , 2021 , 45, 17358-17377 ²	4.5	7
329	Second law analysis of CuCl ₂ hydrolysis reaction in the Cu-Cl thermochemical cycle of hydrogen production. <i>Energy</i> , 2020 , 202, 117721	7.9	7
328	Electrochemical Transport in CuCl/HCl(aq) Electrolyzer Cells and Stack of the Cu-Cl Cycle. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 044515	3.9	7
327	Experimental investigation and optimization of integrated photovoltaic and photoelectrochemical hydrogen generation. <i>Energy Conversion and Management</i> , 2020 , 207, 112541	10.6	10
326	Review and evaluation of clean hydrogen production by the copper-chlorine thermochemical cycle. <i>Journal of Cleaner Production</i> , 2020 , 276, 123833	10.3	8
325	Exergoeconomic and multi-objective optimization of a solar thermochemical hydrogen production plant with heat recovery. <i>Energy Conversion and Management</i> , 2020 , 225, 113441	10.6	19
324	Multi-objective optimization of an experimental integrated thermochemical cycle of hydrogen production with an artificial neural network. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 24355-24369	6.7	10
323	Particle formation and heat transfer in a gas-solid hydrolysis reactor with cupric chloride conversion to copper oxychloride. <i>International Journal of Heat and Mass Transfer</i> , 2020 , 161, 120248	4.9	1
322	Multistage cooling and freezing of a saline spherical water droplet. <i>International Journal of Thermal Sciences</i> , 2020 , 147, 106095	4.1	10
321	Multigeneration system exergy analysis and thermal management of an industrial glassmaking process linked with a Cu-Cl cycle for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 9791-9801	6.7	14
320	Thermodynamic assessment of a lab-scale experimental copper-chlorine cycle for sustainable hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 17595-17610	6.7	31
319	Azeotropic pressure swing distillation of hydrochloric-water for hydrogen production in the Cu-Cl cycle: Thermodynamic and design methods. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 7969-7982	6.7	13
318	Exergy and cost analyses of waste heat recovery from furnace cement slag for clean hydrogen production. <i>Energy</i> , 2019 , 172, 1243-1253	7.9	22
317	Control volume finite element method for entropy generation minimization in mixed convection of nanofluids. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2019 , 75, 363-382	1.3	5
316	Solar methanol synthesis by clean hydrogen production from seawater on offshore artificial islands. <i>International Journal of Energy Research</i> , 2019 , 43, 5687-5700	4.5	3
315	Kinetic and hydrodynamic analyses of chemically reacting gas-particle flow in cupric chloride hydrolysis for the Cu-Cl cycle. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 26783-26793	6.7	8
314	Experimental investigation of water droplet impact and freezing on micropatterned stainless steel surfaces with varying wettabilities. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 129, 953-964	4.9	19

313	Thermodynamic model of pressure swing distillation for a high pressure process of hydrochloric/water separation and hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 3481-3491	6.7	11
312	Experimental Investigation of Vertical Marine Surface Icing in Periodic Spray and Cold Conditions. <i>Journal of Offshore Mechanics and Arctic Engineering</i> , 2019 , 141,	1.5	5
311	Constituent solubility and dissolution in a CuCl-HCl-H ₂ O ternary system. <i>Chemical Engineering Science</i> , 2018 , 184, 209-215	4.4	1
310	Experimental investigation of solar assisted hydrogen production from water and aluminum. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 9181-9191	6.7	16
309	Performance investigation of an integrated wind energy system for co-generation of power and hydrogen. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 9153-9164	6.7	56
308	A finite difference solution for freezing brine on cold substrates of spongy ice. <i>International Journal of Heat and Fluid Flow</i> , 2018 , 69, 174-184	2.4	7
307	3-D trajectory analysis of wave-impact sea spray over a marine vessel. <i>Cold Regions Science and Technology</i> , 2018 , 146, 72-80	3.8	5
306	Thermal and electrochemical performance assessment of a high temperature PEM electrolyzer. <i>Energy</i> , 2018 , 152, 237-246	7.9	33
305	Measurement of spray-cloud characteristics with bubble image velocimetry for braking wave impact. <i>Cold Regions Science and Technology</i> , 2018 , 145, 52-64	3.8	6
304	Industrial heat recovery from a steel furnace for the cogeneration of electricity and hydrogen with the copper-chlorine cycle. <i>Energy Conversion and Management</i> , 2018 , 171, 384-397	10.6	26
303	Droplet trajectory and thermal analysis of impinging saline spray flow on marine platforms in cold seas and ocean regions. <i>Ocean Engineering</i> , 2018 , 148, 538-547	3.9	8
302	Development and assessment of a solar, wind and hydrogen hybrid trigeneration system. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 23148-23160	6.7	43
301	New trigeneration system integrated with desalination and industrial waste heat recovery for hydrogen production. <i>Applied Thermal Engineering</i> , 2018 , 142, 767-778	5.8	32
300	Exergy-based thermal management of a steelmaking process linked with a multi-generation power and desalination system. <i>Energy</i> , 2018 , 159, 1206-1217	7.9	20
299	Sea spray icing phenomena on marine vessels and offshore structures: Review and formulation. <i>Ocean Engineering</i> , 2017 , 132, 25-39	3.9	42
298	A Thirtieth Successful Year for the Journal of Thermophysics and Heat Transfer. <i>Journal of Thermophysics and Heat Transfer</i> , 2017 , 31, 1-6	1.3	8
297	Thermodynamic and transport properties of fluids and solids in a CuCl solar hydrogen cycle. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017 , 127, 961-967	4.1	4
296	Tri-quadratic skew upwind scheme for scalar advection in a control-volume-based finite element method. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2017 , 71, 485-505	1.3	2

295	Advances in unit operations and materials for the Cu Cl cycle of hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 15708-15723	6.7	24
294	Water breakup phenomena in wave-impact sea spray on a vessel. <i>Ocean Engineering</i> , 2017 , 134, 50-61	3.9	10
293	Transient heat conduction through a substrate of brine-spongy ice. <i>Heat and Mass Transfer</i> , 2017 , 53, 2719-2729	2.2	7
292	Solar energy based integrated system for power generation, refrigeration and desalination. <i>Applied Thermal Engineering</i> , 2017 , 121, 1059-1069	5.8	63
291	Eddy Viscosity and Reynolds Stress Models of Entropy Generation in Turbulent Channel Flows. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2017 , 139,	2.1	7
290	Marine icing phenomena on vessels and offshore structures: Prediction and analysis. <i>Ocean Engineering</i> , 2017 , 143, 1-23	3.9	39
289	Heat transfer from molten salt droplets in various gases. <i>International Journal of Heat and Mass Transfer</i> , 2017 , 105, 140-146	4.9	7
288	Numerical Solution of Rapid Freezing of Sea Water on Cold Substrates 2017 ,		1
287	HEAT TRANSFER OF IMPINGING SEAWATER SPRAY AND ICE ACCUMULATION ON MARINE VESSEL SURFACES. <i>Heat Transfer Research</i> , 2017 , 48, 1599-1624	3.9	3
286	Chemical exergy of electrochemical cell anolytes of cupric/cuprous chlorides. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 10911-10924	6.7	10
285	Clean hydrogen and power from impure water. <i>Journal of Power Sources</i> , 2016 , 331, 189-197	8.9	18
284	Droplet trajectories of wave-impact sea spray on a marine vessel. <i>Cold Regions Science and Technology</i> , 2016 , 127, 1-9	3.8	29
283	Direct contact heat transfer from molten salt droplets in a thermochemical water splitting process of hydrogen production. <i>International Journal of Heat and Mass Transfer</i> , 2016 , 96, 125-131	4.9	15
282	Progress of the IAHE Nuclear Hydrogen Division on international hydrogen production programs. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 7878-7891	6.7	12
281	Experimental investigation of hydrogen production in a photo-electrochemical chloralkali processes reactor. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 7766-7781	6.7	9
280	Process integration of material flows of copper chlorides in the thermochemical CuCl cycle. <i>Chemical Engineering Research and Design</i> , 2016 , 109, 273-281	5.5	11
279	Experimental investigation of particle dissolution rates in aqueous solutions for hydrogen production. <i>Heat and Mass Transfer</i> , 2016 , 52, 2067-2073	2.2	1
278	Review of photocatalytic water-splitting methods for sustainable hydrogen production. <i>International Journal of Energy Research</i> , 2016 , 40, 1449-1473	4.5	297

277	Predicted Ice Accretion on Horizontal Surfaces of Marine Vessels and Offshore Structures in Arctic Regions 2016 ,		6
276	Heat and mass transfer in a copper oxy-chloride spray reactor for thermochemical hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 7872-7877	6.7	1
275	X-ray diffraction of crystallization of copper (II) chloride for improved energy utilization in hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 7848-7853	6.7	4
274	Droplet size and velocity distributions of wave-impact sea spray over a marine vessel. <i>Cold Regions Science and Technology</i> , 2016 , 132, 60-67	3.8	23
273	Using XANES to obtain mechanistic information for the hydrolysis of CuCl ₂ and the decomposition of Cu ₂ OCl ₂ in the thermochemical CuCl cycle for H ₂ production. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015 , 119, 975-982	4.1	7
272	Development and analysis of an integrated photovoltaic system for hydrogen and methanol production. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 11140-11153	6.7	19
271	Particle morphology of CuCl ₂ droplets in evaporative spray drying of aqueous slurries by laser diffraction and microscopy. <i>International Journal of Heat and Mass Transfer</i> , 2015 , 86, 681-693	4.9	1
270	A Twenty-Eighth Successful Year for the Journal of Thermophysics and Heat Transfer. <i>Journal of Thermophysics and Heat Transfer</i> , 2015 , 29, 1-7	1.3	7
269	Progress in thermochemical hydrogen production with the copper-chlorine cycle. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 6283-6295	6.7	46
268	Two-phase bubble flow and convective mass transfer in water splitting processes. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 4047-4055	6.7	10
267	Numerical Modeling of Submodule Heat Transfer With Phase Change Material for Thermal Management of Electric Vehicle Battery Packs. <i>Journal of Thermal Science and Engineering Applications</i> , 2015 , 7,	1.9	21
266	Experimental investigation of molten salt droplet quenching and solidification processes of heat recovery in thermochemical hydrogen production. <i>Applied Energy</i> , 2015 , 157, 267-275	10.7	8
265	Calcium oxide/steam chemical heat pump for upgrading waste heat in thermochemical hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 11392-11398	6.7	8
264	Optimal Design Methods for Hybrid Renewable Energy Systems. <i>International Journal of Green Energy</i> , 2015 , 12, 148-159	3	21
263	Analysis of Ice Accretion on Vertical Surfaces of Marine Vessels and Structures in Arctic Conditions 2015 ,		7
262	Hazard analysis and safety assurance for the integration of nuclear reactors and thermochemical hydrogen plants. <i>Chemical Engineering Research and Design</i> , 2015 , 96, 82-97	5.5	5
261	CVFEM for Multiphase Flow with Disperse and Interface Tracking, and Algorithms Performances. <i>Journal of Computational Multiphase Flows</i> , 2015 , 7, 195-226		1
260	Analytical and experimental investigation of thermal efficiency improvement of thermochemical water splitting for hydrogen production. <i>International Journal of Process Systems Engineering</i> , 2015 , 3, 181	0.3	1

259	Thermodynamics and kinetics of the thermal decomposition of cupric chloride in its hydrolysis reaction. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015 , 119, 815-823	4.1	7
258	Heat transfer and multiphase flow with hydrate formation in subsea pipelines. <i>Heat and Mass Transfer</i> , 2015 , 51, 901-909	2.2	3
257	Integrated fossil fuel and solar thermal systems for hydrogen production and CO2 mitigation. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 14227-14233	6.7	24
256	Analysis and optimization of hybrid electric vehicle thermal management systems. <i>Journal of Power Sources</i> , 2014 , 247, 643-654	8.9	38
255	Exergy analysis and optimization of a thermal management system with phase change material for hybrid electric vehicles. <i>Applied Thermal Engineering</i> , 2014 , 64, 471-482	5.8	48
254	Overview of hydrogen production research in the Clean Energy Research Laboratory (CERL) at UOIT. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 20592-20613	6.7	28
253	Thermodynamic analysis of solar-based photocatalytic hydrogen sulphide dissociation for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 15342-15351	6.7	12
252	Scale-up analysis and exergoeconomic assessment of large scale photo-catalytic hydrogen production plants. <i>Solar Energy</i> , 2014 , 107, 475-488	6.8	8
251	Modeling of passive thermal management for electric vehicle battery packs with PCM between cells. <i>Applied Thermal Engineering</i> , 2014 , 73, 307-316	5.8	150
250	Diffusion properties of aqueous slurries in evaporative spray drying of copper (II) chloride dihydrate. <i>Heat and Mass Transfer</i> , 2014 , 50, 1195-1210	2.2	1
249	Heat transfer and thermal management with PCMs in a Li-ion battery cell for electric vehicles. <i>International Journal of Heat and Mass Transfer</i> , 2014 , 72, 690-703	4.9	170
248	New latent heat storage system with nanoparticles for thermal management of electric vehicles. <i>Journal of Power Sources</i> , 2014 , 268, 718-727	8.9	25
247	Indirect contact heat recovery with solidification in thermochemical hydrogen production. <i>Energy Conversion and Management</i> , 2014 , 82, 212-218	10.6	8
246	Experimental investigation of a solar tower based photocatalytic hydrogen production system. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 5546-5556	6.7	8
245	Exergoenvironmental analysis of hybrid electric vehicle thermal management systems. <i>Journal of Cleaner Production</i> , 2014 , 67, 187-196	10.3	37
244	Progress of international program on hydrogen production with the copper-chlorine cycle. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 2431-2445	6.7	21
243	Experimental investigation of processing parameters and effects on chloralkali products in an electrolysis based chloralkali reactor. <i>Chemical Engineering and Processing: Process Intensification</i> , 2014 , 82, 9-18	3.7	6
242	Efficiency assessment of a photo electrochemical chloralkali process for hydrogen and sodium hydroxide production. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 1941-1956	6.7	19

241	Electrochemical analysis of a photoelectrochemical chloralkali reactor. <i>Chemical Engineering and Processing: Process Intensification</i> , 2014 , 82, 42-53	3.7	7
240	Centroid Opposition-Based Differential Evolution. <i>International Journal of Applied Metaheuristic Computing</i> , 2014 , 5, 1-25	0.8	12
239	Transient Temperature Response of Variable Flow Heat Exchangers in a Marnoch Heat Engine. <i>Journal of Heat Transfer</i> , 2014 , 136,	1.8	1
238	Exergetic and energetic evaluations of hybrid electric vehicle thermal management systems. <i>International Journal of Exergy</i> , 2014 , 14, 341	1.2	5
237	An Exergoeconomic Analysis of Hybrid Electric Vehicle Thermal Management Systems. <i>Journal of Thermal Science and Engineering Applications</i> , 2014 , 6,	1.9	3
236	Heat transfer and multiphase flow with hydrate formation in subsea pipelines 2014 ,		3
235	Upgrading waste heat from a cement plant for thermochemical hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 20898-20906	6.7	10
234	2014 ,		23
233	Analysis of the hazards for the molten cuprous chloride pouring operation in an industrial hydrogen production facility. <i>International Journal of Energy Research</i> , 2013 , 37, 358-369	4.5	1
232	Performance assessment of thermal management systems for electric and hybrid electric vehicles. <i>International Journal of Energy Research</i> , 2013 , 37, 1-12	4.5	60
231	Water splitting with a dual photo-electrochemical cell and hybrid catalysis for enhanced solar energy utilization. <i>International Journal of Energy Research</i> , 2013 , 37, 1175-1186	4.5	23
230	Multiple streamtube approximation of flow-induced forces on a Savonius wind turbine. <i>International Journal of Energy Research</i> , 2013 , 37, 1079-1087	4.5	2
229	Thermodynamic analysis of a new Marnoch Heat Engine. <i>Applied Thermal Engineering</i> , 2013 , 52, 516-526	5.8	3
228	Comparisons of automotive, locomotive, aircraft and marine conversion to hydrogen propulsion using six-sigma methodologies. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 2020-2028	6.7	10
227	Effects of vapor pressure on thermodynamic equilibrium in multiphase flow for thermochemical hydrogen production. <i>Heat and Mass Transfer</i> , 2013 , 49, 1787-1794	2.2	1
226	Thermal efficiency improvement of hydrogen production via thermochemical water splitting 2013 ,		1
225	Shadow imaging of particle dynamics and dissolution rates in aqueous solutions for hydrogen production. <i>Experimental Thermal and Fluid Science</i> , 2013 , 51, 297-301	3	5
224	Process integration of hydrolysis and electrolysis processes in the CuCl cycle of hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 9633-9643	6.7	4

223	Linear sweep voltammetry measurements and factorial design model of hydrogen production by HCl/CuCl electrolysis. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 12704-12717	6.7	8
222	Performance evaluation of a geothermal based integrated system for power, hydrogen and heat generation. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 14505-14511	6.7	47
221	Electrochemical analysis of seawater electrolysis with molybdenum-oxo catalysts. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 2589-2595	6.7	23
220	Oxygen evolving reactor overpotentials and ion diffusion in photo-catalytic and electro-catalytic hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 6112-6119	6.7	3
219	Quantum efficiency modeling and system scaling-up analysis of water splitting with Cd _{1-x} Zn _x S solid-solution photocatalyst. <i>Chemical Engineering Science</i> , 2013 , 97, 235-255	4.4	26
218	Hybrid photocatalytic water splitting for an expanded range of the solar spectrum with cadmium sulfide and zinc sulfide catalysts. <i>Applied Catalysis A: General</i> , 2013 , 455, 25-31	5.1	30
217	Hydrogen as a Clean Energy Carrier 2013 , 1-20		1
216	Transient response of thermocapillary pumping of a droplet in a micro heat engine. <i>International Journal of Heat and Mass Transfer</i> , 2013 , 58, 6-17	4.9	
215	Measured effects of light intensity and catalyst concentration on photocatalytic hydrogen and oxygen production with zinc sulfide suspensions. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 9158-9168	6.7	25
214	Nitrogen carrier gas flow for reduced steam requirements of water splitting in a packed bed hydrolysis reactor. <i>Experimental Thermal and Fluid Science</i> , 2013 , 44, 815-824	3	9
213	Droplet evaporation and de-pinning in rectangular microchannels. <i>International Journal of Heat and Mass Transfer</i> , 2013 , 56, 127-137	4.9	3
212	Progress of international hydrogen production network for the thermochemical Cu ₂ O cycle. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 740-759	6.7	51
211	Water Electrolysis 2013 , 99-152		1
210	Computational Aerodynamic Study of Automotive Cooling Fan in Blocked Conditions. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2013 , 7, 66-73	4.5	5
209	Hydrogen Production from Nuclear Energy 2013 ,		25
208	Integrated Nuclear Hydrogen Production Systems 2013 , 439-471		
207	Integrated Coal Power Plant and Cu ₂ O Water Splitting Cycle for Greenhouse Gases Reduction 2013 , 1013-1034		1
206	Performance analysis of a water splitting reactor with hybrid photochemical conversion of solar energy. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 7464-7472	6.7	23

205	Photo-electro-chemical chlorination of cuprous chloride with hydrochloric acid for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 9529-9536	6.7	24
204	Exergy and environmental impact assessment of solar photoreactors for catalytic hydrogen production. <i>Chemical Engineering Journal</i> , 2012 , 213, 330-337	14.7	20
203	Radiative heat transfer and catalyst performance in a large-scale continuous flow photoreactor for hydrogen production. <i>Chemical Engineering Science</i> , 2012 , 84, 638-645	4.4	10
202	Immersed particles of a multiphase reacting flow with chemical decomposition in the stokes flow regime. <i>International Journal of Heat and Mass Transfer</i> , 2012 , 55, 8139-8148	4.9	
201	Comparative assessment of residential energy options in Ontario, Canada. <i>Energy and Buildings</i> , 2012 , 55, 674-684	7	8
200	Reduction of hazards from copper(I) chloride in a Cu-Cl thermochemical hydrogen production plant. <i>Journal of Hazardous Materials</i> , 2012 , 229-230, 48-56	12.8	5
199	Determining parameters of heat exchangers for heat recovery in a Cu-Cl thermochemical hydrogen production cycle. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 11021-11034	6.7	8
198	Experimental study of gaseous effluent and solid conversion in a fluidized bed hydrolysis reactor for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 16397-16401	6.7	5
197	Towards integration of hydrolysis, decomposition and electrolysis processes of the Cu-Cl thermochemical water splitting cycle. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 16557-16569	6.7	18
196	Thermalhydraulic analysis and heat transfer correlation for an intermediate heat exchanger linking a SuperCritical Water-cooled Reactor and a Copper-Chlorine cycle for hydrogen co-generation. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 16542-16556	6.7	7
195	Comparison of thermochemical, electrolytic, photoelectrolytic and photochemical solar-to-hydrogen production technologies. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 16287-16301	6.7	148
194	Pinch analysis for recycling thermal energy in the Cu-Cl cycle. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 16535-16541	6.7	16
193	Interfacial thermodynamics and X-ray diffraction of hydrolysis products in multiphase reacting flow of the Cu-Cl cycle. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 15011-15019	6.7	6
192	Energy and exergy analyses of integrated hybrid sulfur isobutane system for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 18050-18060	6.7	8
191	Steam flow effects on hydrolysis reaction kinetics in the Cu-Cl cycle. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 17701-17708	6.7	2
190	Measured Steam Conversion and Chemical Kinetics in a Hydrolysis Packed Bed Reactor for Hydrogen Production. <i>Energy Procedia</i> , 2012 , 29, 496-502	2.3	1
189	Exergy analysis of a TMS (thermal management system) for range-extended EVs (electric vehicles). <i>Energy</i> , 2012 , 46, 117-125	7.9	58
188	Thermodynamic analysis of waste heat recovery for cooling systems in hybrid and electric vehicles. <i>Energy</i> , 2012 , 46, 109-116	7.9	60

187	Thermodynamic assessment of a wind turbine based combined cycle. <i>Energy</i> , 2012 , 44, 321-328	7.9	11
186	Noise Pollution Prevention in Wind Turbines: Status and Recent Advances. <i>Sustainability</i> , 2012 , 4, 1104-1117	3.67	24
185	Molecular charge transfer and quantum efficiency analyses of a photochemical reactor for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 9537-9549	6.7	11
184	Nuclear-based hydrogen production with a thermochemical copper-chlorine cycle and supercritical water reactor: equipment scale-up and process simulation. <i>International Journal of Energy Research</i> , 2012 , 36, 456-465	4.5	40
183	Exergoeconomic Analysis of a Combined Ammonia Based Solid Oxide Fuel Cell System. <i>Fuel Cells</i> , 2012 , 12, 513-522	2.9	4
182	Time varying NTU method for heat exchanger analysis with mass discharge. <i>Heat and Mass Transfer</i> , 2012 , 48, 653-661	2.2	2
181	Coupled multiphase heat and mass transfer of a solid particle decomposition reaction with phase change. <i>International Journal of Heat and Mass Transfer</i> , 2012 , 55, 4323-4333	4.9	3
180	Hydrogen utilization in various transportation modes with emissions comparisons for Ontario, Canada. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 634-643	6.7	13
179	Energy and exergy analyses of an integrated SOFC and coal gasification system. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 1689-1697	6.7	91
178	Life cycle assessment of various hydrogen production methods. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 2071-2080	6.7	251
177	Thermodynamic analysis of filling compressed gaseous hydrogen storage tanks. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 5063-5071	6.7	57
176	Role of hydrogen storage in renewable energy management for Ontario. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 7343-7354	6.7	17
175	Energy and exergy analyses of electrolytic hydrogen production with molybdenum-oxo catalysts. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 7365-7372	6.7	33
174	OGDE3: Opposition-Based Third Generalized Differential Evolution. <i>Journal of Advanced Computational Intelligence and Intelligent Informatics</i> , 2012 , 16, 469-480	0.4	1
173	Entropy generation of droplet motion with surface tension hysteresis in a closed microchannel. <i>Journal of Micromechanics and Microengineering</i> , 2011 , 21, 095022	2	3
172	Multiphase transport processes of droplet impact and ice accretion on surfaces. <i>Cold Regions Science and Technology</i> , 2011 , 65, 5-12	3.8	7
171	Transient Heat Exchanger Response With Pressure Regulated Outflow. <i>Journal of Thermal Science and Engineering Applications</i> , 2011 , 3,	1.9	4
170	X-ray diffraction study of multiphase reverse reaction with molten CuCl and oxygen. <i>Thermochimica Acta</i> , 2011 , 524, 109-116	2.9	12

169	Power generation from a new air-based Marnoch heat engine. <i>Energy</i> , 2011 , 36, 6879-6889	7.9	4
168	Effects of atomization conditions and flow rates on spray drying for cupric chloride particle formation. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 11353-11359	6.7	19
167	Pressure drop of packed bed vertical flow for multiphase hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 11338-11344	6.7	7
166	Electrochemical mass transfer and entropy generation of cuprous chloride electrolysis. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 11345-11352	6.7	10
165	Comparison of molten salt heat recovery options in the CuCl cycle of hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 11328-11337	6.7	31
164	Thermal design of a solar hydrogen plant with a copper-chlorine cycle and molten salt energy storage. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 11258-11272	6.7	31
163	Analysis of a photochemical water splitting reactor with supramolecular catalysts and a proton exchange membrane. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 11273-11281	6.7	35
162	Solar photocatalytic reactor performance for hydrogen production from incident ultraviolet radiation. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 9446-9452	6.7	5
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