

Urea as a hydrogen carrier: a perspective on its potential for long-term energy supply

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Chemical hydrogen storage: "material"™ gravimetric capacity versus "system"™ gravimetric capacity. Energy and Environmental Science, 2011, 4, 3334.	15.6	105
2	Hydrogen from urea "water and ammonia" "water solutions. Applied Catalysis B: Environmental, 2011, 106, 304-315.	10.8	47
3	Enhanced electrocatalytic oxidation of urea based on nickel hydroxide nanoribbons. Journal of Power Sources, 2012, 217, 498-502.	4.0	187
4	Electrochemical decomposition of urea with Ni-based catalysts. Applied Catalysis B: Environmental, 2012, 127, 221-226.	10.8	254
5	Solar driven hydrogen releasing from urea and human urine. Energy and Environmental Science, 2012, 5, 8215.	15.6	160
6	Electrochemical Decomposition of Urea with Ni-Based Catalysts. ECS Meeting Abstracts, 2012, , .	0.0	0
7	Simultaneous production of hydrogen with the degradation of organic pollutants using TiO ₂ photocatalyst modified with dual surface components. Energy and Environmental Science, 2012, 5, 7647.	15.6	236
8	Assessing the effects of partially decarbonising a diesel engine by co-fuelling with dissociated ammonia. International Journal of Hydrogen Energy, 2012, 37, 6074-6083.	3.8	102
9	Electrochemically reduced graphene oxide "nickel nanocomposites for urea electrolysis. Electrochimica Acta, 2013, 89, 732-736.	2.6	161
10	Highly efficient hydrogen generation from hydrous hydrazine over amorphous Ni _{0.9} Pt _{0.1} /Ce ₂ O ₃ nanocatalyst at room temperature. Journal of Materials Chemistry A, 2013, 1, 14957.	5.2	116
13	Electrolysis of urea and urine for solar hydrogen. Catalysis Today, 2013, 199, 2-7.	2.2	80
14	Formation of open-ended nickel hydroxide nanotubes on three-dimensional nickel framework for enhanced urea electrolysis. Electrochemistry Communications, 2013, 29, 21-24.	2.3	104
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18	Ammonia as a Suitable Fuel for Fuel Cells. Frontiers in Energy Research, 0, 2, .	1.2	163
19	Toward Practical Application Of H ₂ Generation From Ammonia Decomposition Guided by Rational Catalyst Design. Catalysis Reviews - Science and Engineering, 2014, 56, 220-237.	5.7	84
20	In Situ X-Ray Diffraction Study of Urea Electrolysis on Nickel Catalysts. ECS Electrochemistry Letters, 2014, 3, H29-H32.	1.9	79

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21	Nickel nanowires as effective catalysts for urea electro-oxidation. <i>Electrochimica Acta</i> , 2014, 134, 266-271.	2.6	148
22	Significantly enhanced dehydrogenation properties of calcium borohydride combined with urea. <i>Dalton Transactions</i> , 2014, 43, 15291-15294.	1.6	7
23	Anion-exchange membranes in electrochemical energy systems. <i>Energy and Environmental Science</i> , 2014, 7, 3135-3191.	15.6	1,617
24	Nickel hydroxide electrode with a monolayer of nanocup arrays as an effective electrocatalyst for enhanced electrolysis of urea. <i>Electrochimica Acta</i> , 2014, 144, 194-199.	2.6	106
25	Photoelectrochemical Properties of LaFeO_{3} Nanoparticles. <i>ChemElectroChem</i> , 2014, 1, 1667-1671.	1.7	53
26	Urea Degradation by Electrochemically Generated Reactive Chlorine Species: Products and Reaction Pathways. <i>Environmental Science & Technology</i> , 2014, 48, 11504-11511.	4.6	111
27	Facile synthesis of mesoporous spinel $\text{NiCo}_{2}\text{O}_{4}$ nanostructures as highly efficient electrocatalysts for urea electro-oxidation. <i>Nanoscale</i> , 2014, 6, 1369-1376.	2.8	283
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32	Synthesis and hydrogen storage properties of lithium borohydride urea complex. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 429-434.	3.8	15
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34	Component Analysis of Deposits in Selective Catalytic Reduction System for Automotive Diesel Engine. <i>MATEC Web of Conferences</i> , 2016, 51, 03006.	0.1	2
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37	Reducing CO ₂ footprint through synergies in carbon free energy vectors and low carbon fuels. <i>Energy</i> , 2016, 112, 976-983.	4.5	10
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40	Human Urine-Fueled Light-Driven NADH Regeneration for Redox Biocatalysis. <i>ChemSusChem</i> , 2016, 9, 1559-1564.	3.6	39
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43	Urea synthesis using chemical looping process – Techno-economic evaluation of a novel plant configuration for a green production. <i>International Journal of Greenhouse Gas Control</i> , 2016, 44, 42-51.	2.3	49
44	Carbon-encapsulated nickel-iron nanoparticles supported on nickel foam as a catalyst electrode for urea electrolysis. <i>Electrochimica Acta</i> , 2017, 227, 210-216.	2.6	59
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