

Daeho Hong

List of Publications by Year in descending order

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29
papers

1,472
citations

304368

22
h-index

500791

28
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29
all docs

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docs citations

29
times ranked

2439
citing authors

#	ARTICLE	IF	CITATIONS
1	Corrosion and bone healing of Mg-Y-Zn-Zr-Ca alloy implants: Comparative in vivo study in a non-immobilized rat femoral fracture model. <i>Journal of Biomaterials Applications</i> , 2019, 33, 1178-1194.	1.2	16
2	In vivo characterization of magnesium alloy biodegradation using electrochemical H ₂ monitoring, ICP-MS, and XPS. <i>Acta Biomaterialia</i> , 2017, 50, 556-565.	4.1	47
3	Biomimetic Rotated Lamellar Plywood Motifs by Additive Manufacturing of Metal Alloy Scaffolds for Bone Tissue Engineering. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 648-657.	2.6	17
4	Cobalt based nanostructured alloys: Versatile high performance robust hydrogen evolution reaction electro-catalysts for electrolytic and photo-electrochemical water splitting. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 17049-17062.	3.8	35
5	Highly active robust oxide solid solution electro-catalysts for oxygen reduction reaction for proton exchange membrane fuel cell and direct methanol fuel cell cathodes. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 24079-24089.	3.8	14
6	A rapid solid-state synthesis of electrochemically active Chevrel phases (Mo ₆ T ₈ ; T = S, Se) for rechargeable magnesium batteries. <i>Nano Research</i> , 2017, 10, 4415-4435.	5.8	33
7	In vivo monitoring the biodegradation of magnesium alloys with an electrochemical H ₂ sensor. <i>Acta Biomaterialia</i> , 2016, 36, 361-368.	4.1	46
8	Nanostructured silicate substituted calcium phosphate (NanoSiCaPs) nanoparticles – Efficient calcium phosphate based non-viral gene delivery systems. <i>Materials Science and Engineering C</i> , 2016, 69, 486-495.	3.8	18
9	Visual H ₂ sensor for monitoring biodegradation of magnesium implants in vivo. <i>Acta Biomaterialia</i> , 2016, 45, 399-409.	4.1	24
10	Binder-jetting 3D printing and alloy development of new biodegradable Fe-Mn-Ca/Mg alloys. <i>Acta Biomaterialia</i> , 2016, 45, 375-386.	4.1	166
11	Nanostructured robust cobalt metal alloy based anode electro-catalysts exhibiting remarkably high performance and durability for proton exchange membrane fuel cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 14015-14032.	5.2	27
12	High performance and durable nanostructured TiN supported Pt ₅₀ –Ru ₅₀ anode catalyst for direct methanol fuel cell (DMFC). <i>Journal of Power Sources</i> , 2015, 293, 437-446.	4.0	88
13	Scribable multi-walled carbon nanotube-silicon nanocomposites: a viable lithium-ion battery system. <i>Nanoscale</i> , 2015, 7, 3504-3510.	2.8	38
14	Electrochemical Performance of Chemically and Solid State-Derived Chevrel Phase Mo ₆ T ₈ (T = S, Se) Positive Electrodes for Sodium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2015, 119, 5771-5782.	1.5	36
15	A simple and scalable approach to hollow silicon nanotube (h-SiNT) anode architectures of superior electrochemical stability and reversible capacity. <i>Journal of Materials Chemistry A</i> , 2015, 3, 11117-11129.	5.2	35
16	High energy density titanium doped-vanadium oxide-vertically aligned CNT composite electrodes for supercapacitor applications. <i>Journal of Materials Chemistry A</i> , 2015, 3, 8413-8432.	5.2	64
17	Synthesis and electrochemical study of Mg _{1.5} MnO ₃ : A defect spinel cathode for rechargeable magnesium battery. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2015, 202, 8-14.	1.7	9
18	WO ₃ based solid solution oxide – promising proton exchange membrane fuel cell anode electro-catalyst. <i>Journal of Materials Chemistry A</i> , 2015, 3, 18296-18309.	5.2	28

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19	Nitrogen and cobalt co-doped zinc oxide nanowires – Viable photoanodes for hydrogen generation via photoelectrochemical water splitting. <i>Journal of Power Sources</i> , 2015, 299, 11-24.	4.0	72
20	Synthesis, Osteoblast, and Osteoclast Viability of Amorphous and Crystalline Tri-Magnesium Phosphate. <i>ACS Biomaterials Science and Engineering</i> , 2015, 1, 52-63.	2.6	40
21	Nanostructured F doped IrO ₂ electro-catalyst powders for PEM based water electrolysis. <i>Journal of Power Sources</i> , 2014, 269, 855-865.	4.0	43
22	Microwave Derived Facile Approach to Sn/Graphene Composite Anodes for, Lithium-Ion Batteries. <i>Electrochimica Acta</i> , 2014, 127, 299-306.	2.6	28
23	In vitro degradation and cytotoxicity response of Mg–4% Zn–0.5% Zr (ZK40) alloy as a potential biodegradable material. <i>Acta Biomaterialia</i> , 2013, 9, 8534-8547.	4.1	118
24	Novel processing of iron–manganese alloy-based biomaterials by inkjet 3-D printing. <i>Acta Biomaterialia</i> , 2013, 9, 8593-8603.	4.1	198
25	In vitro and in vivo corrosion, cytocompatibility and mechanical properties of biodegradable Mg–Ca–Zr alloys as implant materials. <i>Acta Biomaterialia</i> , 2013, 9, 8518-8533.	4.1	113
26	A Simple Low Temperature Synthesis of Nanostructured Vanadium Nitride for Supercapacitor Applications. <i>Journal of the Electrochemical Society</i> , 2013, 160, A2195-A2206.	1.3	55
27	Finite Element Analysis of Magnesium Alloy Based Bone Fixation Devices. , 2013, , .		0
28	Microstructure of Mg–Zn–Ca thin film derived by pulsed laser deposition. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2011, 176, 1690-1694.	1.7	7
29	Structure and thermal stability of biodegradable Mg–Zn–Ca based amorphous alloys synthesized by mechanical alloying. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2011, 176, 1637-1643.	1.7	57