

Donghai Zheng

List of Publications by Year in descending order

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566801

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#	ARTICLE	IF	CITATIONS
1	High-Entropy-Alloy CoFeNiCr Bonded WC-Based Cemented Carbide Prepared by Spark Plasma Sintering. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2022, 53, 2724-2729.	1.1	7
2	Influence of Maternal Exercise on Glucose and Lipid Metabolism in Offspring Stem Cells: ENHANCED by Mom. Journal of Clinical Endocrinology and Metabolism, 2022, 107, e3353-e3365.	1.8	9
3	Infant Mesenchymal Stem Cell Insulin Action Is Associated With Maternal Plasma Free Fatty Acids, Independent of Obesity Status: The Healthy Start Study. Diabetes, 2022, 71, 1649-1659.	0.3	2
4	The association between lactate and muscle aerobic substrate oxidation: Is lactate an early marker for metabolic disease in healthy subjects?. Physiological Reports, 2021, 9, e14729.	0.7	5
5	Impaired glucose partitioning in primary myotubes from severely obese women with type 2 diabetes. American Journal of Physiology - Cell Physiology, 2020, 319, C1011-C1019.	2.1	11
6	Altered tricarboxylic acid cycle flux in primary myotubes from severely obese humans. International Journal of Obesity, 2019, 43, 895-905.	1.6	19
7	Plasma lactate as a marker of metabolic health: Implications of elevated lactate for impairment of aerobic metabolism in the metabolic syndrome. Surgery, 2019, 166, 861-866.	1.0	43
8	Peroxisomal gene and protein expression increase in response to a high-lipid challenge in human skeletal muscle. Metabolism: Clinical and Experimental, 2019, 98, 53-61.	1.5	10
9	Effect of Compound Fields of Ultrasonic Vibration and Applied Pressure on the 3D Microstructure and Tensile Properties of Recycled Al-Cu-Mn-Fe-Si Alloys. Materials, 2019, 12, 3904.	1.3	17
10	Electrical pulse stimulation induces differential responses in insulin action in myotubes from severely obese individuals. Journal of Physiology, 2019, 597, 449-466.	1.3	27
11	Non-isothermal Crystallization Kinetics and Magnetic Properties of FeCoNiCrZr Metallic Glass. Journal of Superconductivity and Novel Magnetism, 2018, 31, 2977-2982.	0.8	6
12	Overexpression of PGC-1 α increases peroxisomal activity and mitochondrial fatty acid oxidation in human primary myotubes. American Journal of Physiology - Endocrinology and Metabolism, 2017, 312, E253-E263.	1.8	68
13	Differential acute and chronic responses in insulin action in cultured myotubes following from nondiabetic severely obese humans following gastric bypass surgery. Surgery for Obesity and Related Diseases, 2017, 13, 1853-1862.	1.0	10
14	Microstructure and characterization of WC-2.8 wt% Al ₂ O ₃ -6.8 wt% ZrO ₂ composites produced by spark plasma sintering. Ceramics International, 2016, 42, 14182-14188.	2.3	40
15	WC-Si ₃ N ₄ composites prepared by two-step spark plasma sintering. International Journal of Refractory Metals and Hard Materials, 2015, 50, 133-139.	1.7	26
16	Exercise and Weight Loss Improve Muscle Mitochondrial Respiration, Lipid Partitioning, and Insulin Sensitivity After Gastric Bypass Surgery. Diabetes, 2015, 64, 3737-3750.	0.3	134
17	Pregnancy and Smoothelin-like Protein 1 (SMTNL1) Deletion Promote the Switching of Skeletal Muscle to a Glycolytic Phenotype in Human and Mice. Journal of Biological Chemistry, 2015, 290, 17985-17998.	1.6	19
18	Glucose Metabolism is Impaired in Cultured Myotubes from Severely Obese Humans. FASEB Journal, 2015, 29, 944.11.	0.2	0

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19	Metabolic Flexibility is Impaired in Myotubes Derived from Severely Obese Humans. <i>FASEB Journal</i> , 2015, 29, 824-14.	0.2	0
20	Zirconia-toughened WC with/without VC and Cr3C2. <i>Ceramics International</i> , 2014, 40, 2011-2016.	2.3	28
21	Peroxisomal biogenesis occurs in response to obesity and to a high lipid environment in human skeletal muscle (1159.5). <i>FASEB Journal</i> , 2014, 28, 1159.5.	0.2	0
22	Cr3C2 and VC doped WCâ€“Si3N4 composites prepared by spark plasma sintering. <i>International Journal of Refractory Metals and Hard Materials</i> , 2013, 41, 540-546.	1.7	17
23	ZrO2 (3Y) toughened WC composites prepared by spark plasma sintering. <i>Journal of Alloys and Compounds</i> , 2013, 572, 62-67.	2.8	56
24	In-situ elongated Î²-Si3N4 grains toughened WC composites prepared by one/two-step spark plasma sintering. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 561, 445-451.	2.6	25
25	Bulk WCâ€“Al2O3 composites prepared by spark plasma sintering. <i>International Journal of Refractory Metals and Hard Materials</i> , 2012, 30, 51-56.	1.7	71
26	Lipid-induced insulin resistance is prevented in lean and obese myotubes by AICAR treatment. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 298, R1692-R1699.	0.9	37
27	Regulation of muscle GLUT-4 transcription by AMP-activated protein kinase. <i>Journal of Applied Physiology</i> , 2001, 91, 1073-1083.	1.2	255
28	Effect of endurance exercise on myosin heavy chain gene regulation in human skeletal muscle. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1999, 276, R414-R419.	0.9	15