

Donghai Zheng

List of Publications by Year in descending order

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28
papers

957
citations

566801

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h-index

580395

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all docs

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docs citations

29
times ranked

1148
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulation of muscle GLUT-4 transcription by AMP-activated protein kinase. <i>Journal of Applied Physiology</i> , 2001, 91, 1073-1083.	1.2	255
2	Exercise and Weight Loss Improve Muscle Mitochondrial Respiration, Lipid Partitioning, and Insulin Sensitivity After Gastric Bypass Surgery. <i>Diabetes</i> , 2015, 64, 3737-3750.	0.3	134
3	Bulk WC-Al ₂ O ₃ composites prepared by spark plasma sintering. <i>International Journal of Refractory Metals and Hard Materials</i> , 2012, 30, 51-56.	1.7	71
4	Overexpression of PGC-1 α increases peroxisomal activity and mitochondrial fatty acid oxidation in human primary myotubes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2017, 312, E253-E263.	1.8	68
5	ZrO ₂ (3Y) toughened WC composites prepared by spark plasma sintering. <i>Journal of Alloys and Compounds</i> , 2013, 572, 62-67.	2.8	56
6	Plasma lactate as a marker of metabolic health: Implications of elevated lactate for impairment of aerobic metabolism in the metabolic syndrome. <i>Surgery</i> , 2019, 166, 861-866.	1.0	43
7	Microstructure and characterization of WC-2.8 wt% Al ₂ O ₃ -6.8 wt% ZrO ₂ composites produced by spark plasma sintering. <i>Ceramics International</i> , 2016, 42, 14182-14188.	2.3	40
8	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
9	Zirconia-toughened WC with/without VC and Cr ₃ C ₂ . <i>Ceramics International</i> , 2014, 40, 2011-2016.	2.3	28
10	Electrical pulse stimulation induces differential responses in insulin action in myotubes from severely obese individuals. <i>Journal of Physiology</i> , 2019, 597, 449-466.	1.3	27
11	WC-Si ₃ N ₄ composites prepared by two-step spark plasma sintering. <i>International Journal of Refractory Metals and Hard Materials</i> , 2015, 50, 133-139.	1.7	26
12	In-situ elongated β -Si ₃ N ₄ 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
13	Pregnancy and Smoothelin-like Protein 1 (SMTNL1) Deletion Promote the Switching of Skeletal Muscle to a Glycolytic Phenotype in Human and Mice. <i>Journal of Biological Chemistry</i> , 2015, 290, 17985-17998.	1.6	19
14	Altered tricarboxylic acid cycle flux in primary myotubes from severely obese humans. <i>International Journal of Obesity</i> , 2019, 43, 895-905.	1.6	19
15	Cr ₃ C ₂ and VC doped WC-Si ₃ N ₄ composites prepared by spark plasma sintering. <i>International Journal of Refractory Metals and Hard Materials</i> , 2013, 41, 540-546.	1.7	17
16	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. <i>Materials</i> , 2019, 12, 3904.	1.3	17
17	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
18	Impaired glucose partitioning in primary myotubes from severely obese women with type 2 diabetes. <i>American Journal of Physiology - Cell Physiology</i> , 2020, 319, C1011-C1019.	2.1	11

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19	Differential acute and chronic responses in insulin action in cultured myotubes following from nondiabetic severely obese humans following gastric bypass surgery. <i>Surgery for Obesity and Related Diseases</i> , 2017, 13, 1853-1862.	1.0	10
20	Peroxisomal gene and protein expression increase in response to a high-lipid challenge in human skeletal muscle. <i>Metabolism: Clinical and Experimental</i> , 2019, 98, 53-61.	1.5	10
21	Influence of Maternal Exercise on Glucose and Lipid Metabolism in Offspring Stem Cells: ENHANCED by Mom. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, e3353-e3365.	1.8	9
22	High-Entropy-Alloy CoFeNiCr Bonded WC-Based Cemented Carbide Prepared by Spark Plasma Sintering. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2022, 53, 2724-2729.	1.1	7
23	Non-isothermal Crystallization Kinetics and Magnetic Properties of FeCoNiCrZr Metallic Glass. <i>Journal of Superconductivity and Novel Magnetism</i> , 2018, 31, 2977-2982.	0.8	6
24	The association between lactate and muscle aerobic substrate oxidation: Is lactate an early marker for metabolic disease in healthy subjects?. <i>Physiological Reports</i> , 2021, 9, e14729.	0.7	5
25	Infant Mesenchymal Stem Cell Insulin Action Is Associated With Maternal Plasma Free Fatty Acids, Independent of Obesity Status: The Healthy Start Study. <i>Diabetes</i> , 2022, 71, 1649-1659.	0.3	2
26	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
27	Glucose Metabolism is Impaired in Cultured Myotubes from Severely Obese Humans. <i>FASEB Journal</i> , 2015, 29, 944.11.	0.2	0
28	Metabolic Flexibility is Impaired in Myotubes Derived from Severely Obese Humans. <i>FASEB Journal</i> , 2015, 29, 824.14.	0.2	0