## **Citations for Data Collection**

Asgharzadeh, Hamed, and Samira Eslami. 2019. "Effect of Reduced Graphene Oxide Nanoplatelets Content on the Mechanical and Electrical Properties of Copper Matrix Composite." *Journal of Alloys and Compounds* 806 (October): 553–65.

Chen, F., Q. S. Mei, J. Y. Li, C. L. Li, L. Wan, G. D. Zhang, X. M. Mei, Z. H. Chen, T. Xu, and Y. C. Wang. 2021. "Fabrication of Graphene/copper Nanocomposites via in-Situ Delamination of Graphite in Copper by Accumulative Roll-Compositing." *Composites Part B Engineering* 216 (July): 108850.

Chu, Ke, and Chengchang Jia. 2014. "Enhanced Strength in Bulk Graphene-Copper Composites." *Physica Status Solidi* 211 (1): 184–90.

Chu, Ke, Ya-Ping Liu, Jing Wang, Zhong-Rong Geng, and Yuan-Bo Li. 2018. "Oxygen Plasma Treatment for Improving Graphene Distribution and Mechanical Properties of Graphene/copper Composites." *Materials Science and Engineering: A* 735 (September): 398–407.

Chu, Ke, Jing Wang, Ya-Ping Liu, and Zhong-Rong Geng. 2018. "Graphene Defect Engineering for Optimizing the Interface and Mechanical Properties of Graphene/copper Composites." *Carbon* 140 (December): 112–23.

Duan, Ke, Fulong Zhu, Kai Tang, Liping He, Yanming Chen, and Sheng Liu. 2016. "Effects of Chirality and Number of Graphene Layers on the Mechanical Properties of Graphene-Embedded Copper Nanocomposites." *Computational Materials Science* 117 (May): 294–99.

Gao, Xin, Hongyan Yue, Erjun Guo, Hong Zhang, Xuanyu Lin, Longhui Yao, and Bao Wang. 2016. "Mechanical Properties and Thermal Conductivity of Graphene Reinforced Copper Matrix Composites." *Powder Technology* 301 (November): 601–7.

He, Xiancong, Gaopeng Zou, Yongxiang Xu, Haochun Zhu, Hao Jiang, Xiaofan Jiang, Wei Xia, Jingtao Chen, Jiawei Wu, and Shaofeng Yang. 2018. "Nano-Mechanical and Tribological Properties of Copper Matrix Composites Reinforced by Graphene Nanosheets." *Progress in Natural Science: Materials International* 28 (4): 416–21.

He, Yezeng, Feng Huang, Hui Li, Yanwei Sui, Fuxiang Wei, Qingkun Meng, Weiming Yang, and Jiqiu Qi. 2017. "Tensile Mechanical Properties of Nano-Layered Copper/graphene Composite." *Physica E: Low-Dimensional Systems and Nanostructures* 87 (March): 233–36.

Hidalgo-Manrique, Paloma, Xianzhang Lei, Ruoyu Xu, Mingyu Zhou, Ian A. Kinloch, and Robert J. Young. 2019. "Copper/graphene Composites: A Review." *Journal of Materials Science* 54 (19): 12236–89.

Hu, Zeng-Rong, Rui Dai, Di-Ni Wang, Xiao-Nan Wang, Feng Chen, Xue-Liang Fan, Chang-Jun Chen, Yi-Liang Liao, and Qiong Nian. 2021. "Preparation of Graphene/copper Nanocomposites by Ball Milling Followed by Pressureless Vacuum Sintering." *New Carbon Materials* 36 (2): 420–28.

Hu, Zengrong, Feng Chen, Dong Lin, Qiong Nian, Pedram Parandoush, Xing Zhu, Zhuqiang Shao, and Gary J. Cheng. 2017. "Laser Additive Manufacturing Bulk Graphene–copper Nanocomposites." *Nanotechnology* 28 (44): 445705.

Hwang, Jaewon, Taeshik Yoon, Sung Hwan Jin, Jinsup Lee, Taek-Soo Kim, Soon Hyung Hong, and Seokwoo Jeon. 2013. "Enhanced Mechanical Properties of Graphene/copper Nanocomposites Using a Molecular-Level Mixing Process." *Advanced Materials* 25 (46): 6724–29.

Jang, Haneul, Seonghyeon Yoo, Manuel Quevedo, and Hyunjoo Choi. 2018. "Effect of Processing Route on Mechanical and Thermal Properties of Few-Layered Graphene (FLG)-Reinforced Copper Matrix Composites." *Journal of Alloys and Compounds* 754 (July): 7–13.

Khobragade, Nidhi, Koushik Sikdar, Binod Kumar, Supriya Bera, and Debdas Roy. 2019. "Mechanical and Electrical Properties of Copper-Graphene Nanocomposite Fabricated by High Pressure Torsion." *Journal of Alloys and Compounds* 776 (March): 123–32.

Kim, W. J., T. J. Lee, and S. H. Han. 2014. "Multi-Layer Graphene/copper Composites: Preparation Using High-Ratio Differential Speed Rolling, Microstructure and Mechanical Properties." *Carbon* 69 (April): 55–65.

Konakov, V. G., O. Yu. Kurapova, E. N. Solovyeva, I. V. Lomakin, and I. Yu. Archakov. 2018. "Synthesis, Structure and Mechanical Properties of Bulk 'Copper-Graphene' Composites." *Reviews on Advanced Materials Science* 57 (2): 151–57.

Konakov, Vladimir G., Olga Yu Kurapova, and Ivan Yu Archakov. 2020. "Improvement of Copper–Graphene Composites Properties due to the Lubricating Effect of Graphene in the Powder Metallurgy Fabrication Process." *Metals and Materials International* 26 (12): 1899–1907.

Korznikova, Galiia, Tomasz Czeppe, Gulnara Khalikova, Dmitry Gunderov, Elena Korznikova, Lidia Litynska-Dobrzynska, and Maciej Szlezynger. 2020. "Microstructure and Mechanical Properties of Cu-Graphene Composites Produced by Two High Pressure Torsion Procedures." *Materials Characterization* 161 (March): 110122.

Li, Mei-Xia, Juan Xie, Yong-De Li, and Huan-Huan Xu. 2015. "Reduced Graphene Oxide Dispersed in Copper Matrix Composites: Facile Preparation and Enhanced Mechanical Properties." *Physica Status Solidi* 212 (10): 2154–61.

Li, Sishi, Gongsheng Song, Qiang Fu, and Chunxu Pan. 2019. "Preparation of Cu- Graphene Coating via Electroless Plating for High Mechanical Property and Corrosive Resistance." *Journal of Alloys and Compounds* 777 (March): 877–85.

Li, Xiuhui, Shaojiu Yan, Xiang Chen, Qihu Hong, and Nan Wang. 2020. "Microstructure and Mechanical Properties of Graphene-Reinforced Copper Matrix Composites Prepared by in-Situ CVD, Ball-Milling, and Spark Plasma Sintering." *Journal of Alloys and Compounds* 834 (September): 155182.

Luo, Haibo, Yanwei Sui, Jiqiu Qi, Qingkun Meng, Fuxiang Wei, and Yezeng He. 2017. "Mechanical Enhancement of Copper Matrix Composites with Homogeneously Dispersed Graphene Modified by Silver Nanoparticles." *Journal of Alloys and Compounds* 729 (December): 293–302.

Nazeer, Faisal, Zhuang Ma, Lihong Gao, Fuchi Wang, Muhammad Abubaker Khan, and Abdul Malik. 2019. "Thermal and Mechanical Properties of Copper-Graphite and Copper-Reduced Graphene Oxide Composites." *Composites Part B Engineering* 163 (April): 77–85.

Pingale, Ajay D., Sachin U. Belgamwar, and Jitendra S. Rathore. 2020. "The Influence of Graphene Nanoplatelets (GNPs) Addition on the Microstructure and Mechanical Properties of Cu-GNPs Composites Fabricated by Electro-Co-Deposition and Powder Metallurgy." *Materials Today: Proceedings* 28 (January): 2062–67.

Pratik, Ayush, Surendra Kumar Biswal, and Prathap Haridoss. 2020. "Impact of Enhanced Interfacial Strength on Physical, Mechanical and Tribological Properties of Copper/reduced Graphene Oxide Composites: Microstructural Investigation." *Ceramics International* 46 (14): 22539–49.

Shao, Guosen, Ping Liu, Ke Zhang, Wei Li, Xiaohong Chen, and Fengcang Ma. 2019. "Mechanical Properties of Graphene Nanoplates Reinforced Copper Matrix Composites Prepared by Electrostatic Self-Assembly and Spark Plasma Sintering." *Materials Science and Engineering: A* 739 (January): 329–34.

Shu, Rui, Xiaosong Jiang, Zhenyi Shao, Daming Sun, Degui Zhu, and Zhiping Luo. 2019. "Fabrication and Mechanical Properties of MWCNTs and Graphene Synergetically Reinforced Cu–graphite Matrix Composites." *Powder Technology* 349 (May): 59–69.

Swikker, K. Robinston Jeyasingh, H. Kanagasabapathy, I. Neethi Manickam, N. Vijay Ponraj Nadar, and S. Alwin. 2020. "Effect of Sintering Temperature on Grain Growth and Mechanical

Properties of Copper/graphene Nanosheet Composite." *Diamond and Related Materials* 110 (December): 108111.

Tang, Yanxia, Xiaomin Yang, Rongrong Wang, and Maoxin Li. 2014. "Enhancement of the Mechanical Properties of Graphene–copper Composites with Graphene–nickel Hybrids." *Materials Science and Engineering: A* 599 (April): 247–54.

Wang, Jian, Li-Na Guo, Wan-Ming Lin, Jin Chen, Shuai Zhang, Shao-da Chen, Tian-Tian Zhen, and Yu-Yang Zhang. 2019. "The Effects of Graphene Content on the Corrosion Resistance, and Electrical, Thermal and Mechanical Properties of Graphene/copper Composites." *New Carbon Materials* 34 (2): 161–69.

Wei, Chaolong, Nan Ye, Lekang Hong, Jiahui Yao, Weiyi Xia, Jie Mao, Yingjun Wang, Yuchao Zhao, and Jiancheng Tang. 2021. "Scalable Preparation of Ultrathin Graphene-Reinforced Copper Composite Foils with High Mechanical Properties and Excellent Heat Dissipation." ACS Applied Materials & Interfaces 13 (18): 21714–23.

Yang, Tao, Wenge Chen, Fanglong Yan, Haibao Lv, and Yong Qing Fu. 2021. "Effect of Reduced Graphene Oxides Decorated by Ag and Ce on Mechanical Properties and Electrical Conductivity of Copper Matrix Composites." *Vacuum* 183 (January): 109861.

Yehia, Hossam M., F. Nouh, and Omayma El-Kady. 2018. "Effect of Graphene Nano-Sheets Content and Sintering Time on the Microstructure, Coefficient of Thermal Expansion, and Mechanical Properties of (Cu /WC –TiC-Co) Nano-Composites." *Journal of Alloys and Compounds* 764 (October): 36–43.

Yoo, Sung Chan, Junho Lee, and Soon Hyung Hong. 2019. "Synergistic Outstanding Strengthening Behavior of Graphene/copper Nanocomposites." *Composites Part B Engineering* 176 (November): 107235.

Yue, Hongyan, Longhui Yao, Xin Gao, Shaolin Zhang, Erjun Guo, Hong Zhang, Xuanyu Lin, and Bao Wang. 2017. "Effect of Ball-Milling and Graphene Contents on the Mechanical Properties and Fracture Mechanisms of Graphene Nanosheets Reinforced Copper Matrix Composites." *Journal of Alloys and Compounds* 691 (January): 755–62.

Zhang, Xiang, Chunsheng Shi, Enzuo Liu, Naiqin Zhao, and Chunnian He. 2018. "Effect of Interface Structure on the Mechanical Properties of Graphene Nanosheets Reinforced Copper Matrix Composites." ACS Applied Materials & Interfaces 10 (43): 37586–601.

——. 2019. "High-Strength Graphene Network Reinforced Copper Matrix Composites Achieved by Architecture Design and Grain Structure Regulation." *Materials Science and Engineering:* A 762 (August): 138063.

Zhang, Xin, Dongqin Wan, Kun Peng, and Wei Zhang. 2019. "Enhancement of Thermal Conductivity and Mechanical Properties of Cu-Reduced Graphene Oxide Composites by Interface Modification." *Journal of Materials Engineering and Performance* 28 (8): 5165–71.

Zhao, Xinyue, Jiancheng Tang, Fangxin Yu, and Nan Ye. 2018. "Preparation of Graphene Nanoplatelets Reinforcing Copper Matrix Composites by Electrochemical Deposition." *Journal of Alloys and Compounds* 766 (October): 266–73.