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| Rao Guowu-Profile | | | | | | | | | | | |
| Name | Guo-Wu Rao | | | | | Gender | | Male | | |  |
| date of birth | | January 16, 1975 | | |
| place of birth | | | | Jiangxi Linchuan | | Country of Citizenship  (area) | | China | | |
| Bachelor of  Science | | | PhD | The qualification | none | Currently  Engaged in  professional field | | medicinal chemistry | | |
| Graduated colleges and majors | | | | Zhejiang University of Technology, major in Industrial Catalysis | | | | | | | | |
| current work unit | | | | Zhejiang University of Technology | | | | | job | professor | |
| current work address | | | | School of Pharmacy, Moganshan Campus, Zhejiang University of Technology, No. 999 Changhong East Street / No. 1 Gongda Road, Deqing County, Zhejiang Province | | | | | | | |
| Have you been selected for various talent projects in other places? | | | | | | | Selection type: The second level of Zhejiang Province's "New Century 151 Talent Project" Selection time: 2010 | | | | |
| Educational Experience (from undergraduate) | | Ph.D. Industrial Catalysis 2000.9-2005.1 China Zhejiang University of Technology  Bachelor Fine Chemicals 1992.9-1996.7 China Zhejiang University of Technology | | | | | | | | | |
| work experience | | Professor 2014.12-present Zhejiang University of Technology China  Associate Professor 2007.9-2014.12 Zhejiang University of Technology China  Lecturer 2005.5-2007.9 Zhejiang University of Technology China  Assistant Engineer 1996.8-2000.8 Jiangxi Agricultural University Pharmaceutical Factory China | | | | | | | | | |

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| --- | --- | --- | --- | --- | --- |
| Independent intellectual property rights (patent rights, trademark rights, copyrights, etc.) | | | | | |
| project name | Project cost (ten thousand yuan) | Project cost (ten thousand yuan) | Start and end year | Rank (rank/total number) | My duties and tasks |
| Lung-targeted modification of novel antitumor compound tetrazinebisamide and its pilot optimization | National Natural Science Foundation of China | 18 | 2009.01-2011.12 | 1/7 | Project leader, host |
| R&D and innovation team of new polyamide gene-targeted drugs | Zhejiang Science and Technology Plan Project-Leading Innovation and Entrepreneurship Team | 125 | 2019.01-2021.12 | 2/10 | Project backbone, participation |
| Dynamic Optimization Design, Synthesis and Mechanism of Novel SMYD2 Targeting Inhibitors | Natural Science Foundation of Zhejiang Province | 9 | 2019.01-2021.12 | 1/7 | Project leader, host |
| Construction, optimization and mechanism of 3D-QSAR model of novel 1,4-(asymmetric substituted acyl-S-tetrazine antitumor compounds) | Natural Science Foundation of Zhejiang Province | 9.5 | 2014.01-2016.12 | 1/7 | Project leader, host |
| Design, Synthesis and Antitumor Activity of Novel Tetrazine Heterocyclic Derivatives | Natural Science Foundation of Zhejiang Province | 8 | 2010.01-2011.12 | 1/7 | Project leader, host |

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| Leading (participating) projects at or above the provincial level | | | | | |
| project name | project level | Project cost (ten thousand yuan) | Start and end year | Rank (rank/total number) | My duties and tasks |
| 1. Novel anti-tumor compound tetrazine bisamide lung targeting modification and its pilot optimization research | National Natural Science Foundation of China | 18 | 2009.01-2011.12 | 1/7 | Project leader, host |
| 3. R&D and innovation team of new polyamide gene-targeted drugs | Zhejiang Science and Technology Plan Project-Leading Innovation and Entrepreneurship Team | 125 | 2019.01-2021.12 | 2/10 | Project backbone, participation |
| 4. Dynamic optimization design, synthesis and mechanism study of novel SMYD2 targeted inhibitors | Natural Science Foundation of Zhejiang Province | 9 | 2019.01-2021.12 | 1/7 | Project leader, host |
| 6. Construction, optimization and mechanism of 3D-QSAR model of novel 1,4-(asymmetric substituted acyl-S-tetrazine antitumor compounds) | Natural Science Foundation of Zhejiang Province | 9.5 | 2014.01-2016.12 | 1/7 | Project leader, host |
| 7. Design, Synthesis and Antitumor Activity of Novel Tetrazine Heterocyclic Derivatives | Natural Science Foundation of Zhejiang Province | 8 | 2010.01-2011.12 | 1/7 | Project leader, host |

Personal profile:

Focusing on new drug research and development in the past ten years; has authorized 63 Chinese invention patents;

Presided over more than 20 projects including the National Natural Science Foundation of China, the Provincial Natural Science Foundation of China, and industrial transformation, with a cumulative funding of 5 million yuan;

The research results have published more than 70 SCI papers in top international journals such as J. Med. Chem., Adv. Synth. Catal., Spectrochim. Acta. A;

As a provincial science and technology expert database storage expert and a provincial science and technology award review expert, he has rich experience in industrialization.

The second level of "New Century 151 Talent Project" in Zhejiang Province

The third level of "New Century 151 Talent Project" in Zhejiang Province

Provincial Leading Innovation and Entrepreneurship Team (Core Member)

Provincial Science and Technology Second Prize

The third prize of scientific research achievements in provincial colleges and universities

Provincial Natural Science Excellent Papers Second and Third Prizes

Bioorganic & Medicinal Chemistry Letters

Most Cited Paper 2004~2007 Award

Provincial first-class course leader