

Summary of Vertical Scientific Research Project (Government Support)

NO.	Project Name	Project Leader	Funding Source	Time	Funding (10,000RMB)
1	Research on the construction of online teaching resources for "Signals and Systems" under the requirements of ideological and political curriculum reform	Zhu Geng	Shanghai Municipal Education Commission	2020.9	4
2	Construction of high-level local universities - construction of teaching staff - teaching, development, industry-university-research practice	Wu Xiupin	Shanghai Municipal Education Commission	2021.8	5
3	Research on micron resolution optical coherence tomography endoscope based on multimode optical fiber and ring phase plate	Wu Xiupin	National Natural Science Foundation of China	2021.8	30
4	Exploration on the Reform of Ideological and Political Teaching in the Course "Principles of Medical Imaging	Wu Xiupin	Shanghai Municipal Education Commission	2021.8	4
5	Research on multi-modal intelligent identification of addiction based on integrated EEG and near-infrared detection	Li Xiaouu	Shanghai Municipal Science and Technology Commission	2022.3	50
6	Study on nonlinear optical effects of cornea induced by femtosecond laser	Zeng Xi	Shanghai University of Medicine & Health Sciences	2023.1	5
7	High spatiotemporal resolution particle motion measurement technology and its application in rheology research of core particle flow	Yang Hui	National Natural Science Foundation of China	2023.1	74.4
8	Study on corneal nonlinear optical effects induced by femtosecond laser	Zeng Xi	Shanghai Education Development Foundation	2023.3	6
9	Fabric ECG electrode/skin interface contact impedance regulates biopotential transmission mechanism	Tu Huating	Shanghai Municipal Science and Technology Commission	2023.3	20
10	Particle rotation detection and trajectory tracking system and its application in drum particle flow sorting research	Yang Hui	National Natural Science Foundation of China	2023.8	52

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Summary of Horizontal R

Project Name
Signal Testing and Data Acquisition Technical Service Contract
Research on control method of intelligent lower limb rehabilitation robot
Patent transfer of a game control system based on surface electromyography signals
Cognitive dysfunction EEG identification system patent transfer
JD4-1 new electrostatic high voltage generator
Research on ultrasonic optical endoscopic imaging system
Assessment of disorders of consciousness and research on non-invasive brain modulation methods
Research on sleep structure and quality analysis model based on BCG signal
Research on three-dimensional positioning system of ultrasonic probe based on computer vision
Soft endoscope research and development
Wearable ECG monitoring system technical services

Research Projects （Industry Support）

Project Leader	Funding Source
Bai Baodan	Department of Electronic Engineering, Fudan University
Li Xiaou	Shanghai Nuohao Medical Technology Co., Ltd.
Li Xiaou	Shanghai Pukang Electronic Technology Co., Ltd.
Li Xiaou	Shanghai Nuocheng Electric Co., Ltd.
Wang Xuan	Hangzhou Yongjie Abrasive Materials Co., Ltd.
Yan Jiayong	Zhuowai (Shanghai) Medical Electronic Technology Co., Ltd.
Li Xiaou	Shanghai Xincheng Boyu Electronic Technology Co., Ltd.
Yan Jiayong	Shanghai Yueyang Medical Technology Co., Ltd.
Yan Jiayong	Jinan Guoke Medical Technology Development Co., Ltd.
Wu Xiupin	Zhuowai (Shanghai) Medical Electronic Technology Co., Ltd.
Tu Huating	Shanghai Renjinghui Electronic Technology Co., Ltd.

Time	Funding (10,000RMB)
2019.4	5.8
2019.11	5
2020.3	30
2020.3	5
2020.8	15.8
2020.12	10
2021.6	45
2021.7	10
2022.6	15
2023.5	20
2023.6	20