

Research

◇ Grants-in-Aid for Scientific Research

Identification of missing data mechanisms peculiar to software development data
Development of a Bunraku Robot which can be Operated by One Person
Development of high durable reinforcing method of old embankment for heavy rainfall and earthquake
Estimation of the quantitative effect of sea cultivation aimed at disappearance of nutritional insufficiency at shallow water area
A Study of children mobility from the perspective of Children Independent Mobility (CIM) and traffic safety
Experimental study for the general use of silicate-based surface penetrants
Comprehensive research on the application of microsatellite to bachelor's degree education and the development of its evaluation method
A Study on the Creation of Novel Expressions under Wartime Censorship : Focusing on Osamu Dazai
Research on High-reliable Cooperative Operation for Multiple-Mobile-Robot System using Blockchain and Distributed learning
Moduli of representations and related topics (4)
Research on BMI operation screen that can control autonomous wheelchair more freely
Mathematical Deepening of Audio Source Separation Based on Independence and Amplitude/Phase Modeling and Development of Multimodal Hearing-Aid system
Fundamental study of continuous blood pressure measurement using a wearable sensor attached to nail surface
Research to realize a practical satellite development curriculum using a general-purpose satellite model starting from high school students
Investigation of optimum arrangement of small-vertical-axis-wind-turbine clusters with interaction between the pairs and trios of turbines
Formation of double roughness structures on surface of polymer blend film using atmospheric pressure low temperature plasma
Application to Smart Machining Systems using Compression of Skill Data for Inheritance of Excellent Technician's Skills
Development of a portable fishway system suitable for the upstream migration of salmon and trout
Semiconductor Device Foundry Achieved at a Nano-tech Platform Established on an Average Science Lab.
Interview dialogue system for augmenting awareness opportunity
Evaluation of astrophysical fusion reaction rates using a microscopic nuclear model
Basic study on recycling method of ITO transparent conductive substrate using pulsed arc discharge
Development of resource recycling artificial geomaterial and application to geohazards prevention measures
Development of assessment methods of both children's independent mobility and safety
Thermocell using redox-active ionic liquid based electrolyte
Development of criteria and decision-making measures for the continuation of local railways
holding a photo exhibition to promote behavioral change toward tiding up through a sense of the extraordinary.
Development of color and sound educational materials for kindergarteners to early elementary school students
Study on optimal energizing conditions of 500 kHz current for apical periodontitis treatment
16 another research study, Number of Research Studies 45, Total Funds 41,176,000Yen

◇ Commissioned Research

A Collaboration Project between Mitoyo City and The National Institute of Technology, Kagawa College
Installation test of a portable fishway for the upstream migration of *Oncorhynchus keta* and *Oncorhynchus gorbusha*
2 another research study, Number of Research Studies 4, Total Funds 4,784,742Yen

◇ Cooperative Research with Private Sector

Feasibility of industrial methane production in the subsurface environment via microbial activities
Development of High-Performance Lead-Acid Batteries
Extraction Technology of Metal from Abandoned Coated Wires
On Share Cyber Security Information
Study of Fluorine Treatment Technology
The development of the convenient device system for water use and disaster mitigation including lowering the water level in the small and middle scale irrigation ponds
Development of RFID antenna at 920MHz band
Study on development of wireless river monitoring system
Study on durability life prediction method of cable conductor/shield wire for moving parts.
A Study on Anomaly Detection by Image Classification Algorithm in Thermal Power Plants
Speech enhancement based on spotforming using multiple microphone arrays
Line joining of SUS304 thin plate using Friction Stir Welding (FSW)
Improved statistical models for assessing children's independent mobility
Efficiency Improvement of Semi-Solid Slurry Generation Equipment
The analytical investigation against downstream area of flood at caused by pond's dike failure
Development of active phased array antenna using printing technology on stratospheric balloon surface
Analysis and decomposition of audio mixtures utilizing spatial information
12 another research studies, Number of Research Studies 30, Total Funds 9,156,000Yen

◇ Other Competitive Funds and Grants

Development of technology to realize a highly profitable cultivation system in horticulture facilities
Wide-band AC Servo System Based on Discrete-state Feedback Considering Control Delay of PWM Inverter
Wide-band AC Servo System Based on Based on Discrete-state Feedback Considering Local Linearization and Successive Discretization
2 another research studies, Number of Research Studies 5, Total Funds 3,862,000Yen