

**FY2024 The Noguchi Shitagau Research Grant Keyword Table**

Please select 2-5 applicable keywords.

If you would like to add other keywords, please list them in No. 70 in 20 characters or less.

No.	Keywords	No.	Keywords	No.	Keywords	No.	Keywords	No.	Keywords
1	LC (Liquid Crystal), OLED (Organic Light Emitting Diode)	16	hydrogen energy	31	analytical method, measurement technology	46	cryo-electron microscopy	61	nucleic acid, gene
2	magnetic substance	17	renewable energy	32	structural analysis	47	digital healthcare, Internet of Things	62	biochemical analysis, biomarker
3	quantum technology	18	carbon recycling	33	spectroscopic analysis	48	chemical biology	63	pathogen, viruses
4	electronic material	19	environmental measurement	34	resource circulation	49	radiotherapy, near-infrared ray therapy	64	transplantation, artificial organ
5	electronic devices	20	carbon neutrality	35	surface/ interface chemistry	50	biosensor	65	iPS cell, ES cell, stem cell
6	semiconductor	21	computational science	36	dispersion technology	51	single cell analysis	66	gene therapy
7	thermoelectric element, piezoelectric element	22	information science, digital transformation	37	biodegradable plastic, biomass plastic	52	carbohydrate, glycan	67	nucleic acid medicine
8	organic synthetic chemistry	23	AI(Artificial Intelligence), machine learning	38	nanotechnology	53	lipid	68	DDS (Drug Delivery System)
9	catalyst chemistry	24	network system	39	manufacturing technology, production system	54	antibody	69	exosome, liposome
10	polymer chemistry	25	simulation	40	membrane separation technology	55	enzyme	70	(up to 20 letters)
11	energy conversion/ recovery/ transportation technology	26	equipment technology	41	process development	56	signal transduction		
12	LED (Light Emitting Diode), laser	27	sensor	42	CO <sub>2</sub> fixation, artificial photosynthesis	57	microbe		
13	wastewater/ waste treatment	28	crystals, amorphous material	43	green biotechnology, environmental biotechnology	58	fermentation		
14	inorganic chemistry, coordination chemistry	29	thin film	44	bioprocess	59	omics		
15	photocatalysis, electrocatalysis	30	photochemistry	45	imaging	60	protein, peptide		