

L Core Project OT2OD030544

O Details

Projects	Name	Award	Publications	Repositories	Analytics
3OT2OD030544-01S4	Biomedical Data Commons	\$3,229,346.00	69 publications	0 repositories	0 properties
3OT2OD030544-01S2	Workbench (BDCW)				
1OT2OD030544-01					
3OT2OD030544-01S3					
3OT2OD030544-01S1					

Publications

Published works associated with this project.

ID	Title	Authors	R C R	SJ R	Cit ati ons	Cit. /ye ar	Journal	Pub lish ed	Upd ated
39143213 🗗 DOI 🗗	Mitochondrial complex l promotes kidney cancer metastasis.	Bezwada, Divya 36 more DeBerardi nis, Ralph J	9. 89 3	18. 28 8	44	44	Nature	202 4	Oct 5, 202 5 (just now)
38844817 🗗 DOI 🗗	Nucleotide metabolism in cancer cells fuels a UDP-driven macrophage cross-talk, promoting immunos	Scolaro, Tommaso 36 more Mazzone, Massimili ano	6. 52 5	0	28	28	Nat Cancer	202 4	Oct 5, 202 5 (just now)
34862502 乙 DOI 乙	GNPS Dashboard: collaborative exploration of mass spectrometry data in the web browser.	Petras, Daniel 33 more Wang, Mingxun	5. 70 8	0	52	17. 333	Nat Methods	202 2	Oct 5, 202 5 (just now)
38636516 🗹	Mannose controls mesoderm specification and symmetry breaking in mouse gastruloids.	Dingare, Chaitanya 3 more Steventon	4. 16 6	0	18	18	Dev Cell	202 4	Oct 5, 202 5 (just

		, Benjamin							now)
37798473 🗗 DOI 🗗	Spatially resolved metabolomics and isotope tracing reveal dynamic metabolic responses of dentate	Miller, Anne 7 more Yellen, Gary	3. 83	0	25	12. 5	Nat Metab	202 3	Oct 5, 202 5 (just now)
39420002 Z	Methionine-SAM metabolism- dependent ubiquinone synthesis is crucial for ROS accumulation in ferro	Xia, Chaoyi 13 more Wang, Yang	3. 64	0	13	13	Nat Commun	202 4	Oct 5, 202 5 (just now)
37349305 🗷 DOI 🗹	Defining diurnal fluctuations in mouse choroid plexus and CSF at high molecular, spatial, and tem	Fame, Ryann M 21 more Lehtinen, Maria K	3. 61 2	0	24	12	Nat Commun	202 3	Oct 5, 202 5 (just now)
38165806 🗹	Metabolic reprogramming by histone deacetylase inhibition	Karagiann is, Dimitris	3. 47 9	0	13	13	Cell Rep	202 4	Oct 5, 202

	preferentially targets NRF2-activated t	11 more Lu, Chao							5 (just now)
38286827 ♂ DOI ♂	Loss of Pip4k2c confers liver- metastatic organotropism through insulin-dependent PI3K-AKT pathway	Rogava, Meri 43 more Izar, Benjamin	2. 87	0	12	12	Nat Cancer	202 4	Oct 5, 202 5 (just now)
39535921 🗹	Cancer-associated fibroblasts maintain critical pancreatic cancer cell lipid homeostasis in the t	Han, Xu 13 more Simon, M Celeste	2. 67	0	11	11	Cell Rep	202 4	Oct 5, 202 5 (just now)
38172157 🗗 DOI 🗗	Deficiency of the lipid flippase ATP10A causes diet-induced dyslipidemia in female mice.	Norris, Adriana C 7 more Graham, Todd R	2. 60 4	0	9	9	Sci Rep	202 4	Oct 5, 202 5 (just now)

39305905 ☑ DOI ☑	DRMY1 promotes robust morphogenesis in Arabidopsis by sustaining the translation of cytokinin-sig	Kong, Shuyao 10 more Roeder, Adrienne H K	2. 42 9	0	9	9	Dev Cell	202 4	Oct 5, 202 5 (just now)
38714664 ☑ DOI ☑	FGFR inhibition blocks NF-κB- dependent glucose metabolism and confers metabolic vulnerabilities i	Zhen, Yuanli 11 more Bardeesy, Nabeel	2. 37 6	0	9	9	Nat Commun	202 4	Oct 5, 202 5 (just now)
37441265 🗹 DOI 🗹	Contribution of Circulating Host and Microbial Tryptophan Metabolites Toward Ah Receptor Activation.	Morgan, Ethan W 12 more Perdew, Gary H	2. 13 7	0	14	7	Int J Tryptophan Res	202 3	Oct 5, 202 5 (just now)

37452018 🗗 DOI 🗗	Lactate-dependent transcriptional regulation controls mammalian eye morphogenesis.	Takata, Nozomu 16 more Oliver, Guillermo	2. 06 6	0	18	9	Nat Commun	202 3	Oct 5, 202 5 (just now)
39206133 🗹 DOI 🗹	Phosphate availability conditions caspofungin tolerance, capsule attachment and titan cell format	Qu, Xianya 7 more Kronstad, James W	1. 95 5	0	6	6	Front Fungal Biol	202 4	Oct 5, 202 5 (just now)
34721400 🗹 DOI 🗹	Immune Response in Severe and Non-Severe Coronavirus Disease 2019 (COVID-19) Infection: A Mechani	Mukund, Kavitha 6 more Subrama niam, Shankar	1. 82 7	0	33	8.2 5	Front Immunol	202 1	Oct 5, 202 5 (just now)
38318337 🗗	Exploring the interplay between running exercises, microbial diversity, and tryptophan metabolism	Vazquez- Medina, Alejandra 6 more	1. 61 1	0	5	5	Front Microbiol	202 4	Oct 5, 202 5 (just

		Chorna, Nataliya							now)
38813868 ☑ DOI ☑	Fetal growth delay caused by loss of non-canonical imprinting is resolved late in pregnancy and c	Oberin, Ruby 14 more Western, Patrick S	1. 45 5	0	6	6	Elife	202 4	Oct 5, 202 5 (just now)
37815914 🗹 DOI 🗹	MYC is a regulator of androgen receptor inhibition-induced metabolic requirements in prostate can	Crowell, Preston D23 more Goldstein, Andrew S	1. 35 3	0	13	6.5	Cell Rep	202 3	Oct 5, 202 5 (just now)
38926365 ♂ DOI ♂	METTL3-mediated chromatin contacts promote stress granule phase separation through metabolic repr	Wang, Chen 17 more Zhang, Rugang	1. 13 2	0	5	5	Nat Commun	202 4	Oct 5, 202 5 (just now)
38161977 🗹 DOI 🗹	Gut microbiota and metabolites in estrus cycle and their changes in a menopausal transition rat m	Dai, Ruoxi 5	1. 02 1	0	5	2.5	Front Endocrinol (Lausanne)	202 3	Oct 5, 202

		more Sun, Yan							5 (just now)
38001239 ☑ DOI ☑	IL-1β-mediated adaptive reprogramming of endogenous human cardiac fibroblasts to cells with immun	Siamwala, Jamila H 11 more Gilbert, Richard J	0. 92 8	0	7	3.5	Commun Biol	202 3	Oct 5, 202 5 (just now)
37515770 🗗 DOI 🗗	The stability of the myelinating oligodendrocyte transcriptome is regulated by the nuclear lamina.	Pruvost, Mathilde 16 more Casaccia, Patrizia	0. 74 8	0	7	3.5	Cell Rep	202 3	Oct 5, 202 5 (just now)
37849634 🗹 DOI 🗗	Endotype Characterization Reveals Mechanistic Differences Across Brain Regions in Sporadic Alzhei	Patel, Ashay O2 more Subrama niam, Shankar	0. 45 4	0	3	1.5	J Alzheimers Dis Rep	202 3	Oct 5, 202 5 (just now)

35448980 🗹 DOI 🗹	Modular and mechanistic changes across stages of colorectal cancer.	Rahiminej ad, Sara 2 more Subrama niam, Shankar	0. 45	0	6	2	BMC Cancer	202 2	Oct 5, 202 5 (just now)
37983749 ☑ DOI ☑	MetGENE: gene-centric metabolomics information retrieval tool.	Srinivasan , Sumana 3 more Subrama niam, Shankar	0. 15 8	0	2	0.6 67	Gigascience	202 2	Oct 5, 202 5 (just now)
37398141 🗗 DOI 🗗	Deficiency of the lipid flippase ATP10A causes diet-induced dyslipidemia in female mice.	Norris, Adriana C 7 more Graham, Todd R	0. 14 3	0	1	0.5	bioRxiv	202 3	Oct 5, 202 5 (just now)

38937647 🗗 DOI 🗗	Metabolic abnormalities in the bone marrow cells of young offspring born to mothers with obesity.	Phillips, Elysse A 4 more Maloyan, Alina	0	0	3	3	Int J Obes (Lond)	202 4	Oct 5, 202 5 (just now)
38761133 ☑ DOI ☑	Differential impact of sex on regulation of skeletal muscle mitochondrial function and protein ho	Welch, Nicole14 more Dasarathy , Srinivasan	0	0	3	3	J Physiol	202 4	Oct 5, 202 5 (just now)
40166866 🗹	Severe Cognitive Decline in Long- term Care Is Related to Gut Microbiome Production of Metabolites	Shoubridg e, Andrew P17 more Rogers, Geraint B	0	0	1	1	J Gerontol A Biol Sci Med Sci	202 5	Oct 5, 202 5 (just now)
39985215 🖸	Stress exposure in the mdx mouse model of Duchenne muscular dystrophy provokes a widespread metab	Johnson, Erynn E Ervasti, James M	0	0	0	0	FEBS J	202 5	Oct 5, 202 5 (just

									now)
40052831 ② DOI ②	Human adenovirus serotype 5 infection dysregulates cysteine, purine, and unsaturated fatty acid m	Sanchez, Bailey-J C 1 more Grasis, Juris A	0	0	1	1	FASEB J	202 5	Oct 5, 202 5 (just now)
40441152 ② DOI ②	Structural and systems characterization of phosphorylation on metabolic enzymes identifies sex-sp	Tamir, Tigist Y 15 more White, Forest M	0	0	0	0	Mol Cell	202 5	Oct 5, 202 5 (just now)
39754192 乙 DOI 乙	Integrative multiomics reveals common endotypes across PSEN1, PSEN2, and APP mutations in familia	Valdes, Phoebe 9 more Subrama niam, Shankar	0	0	4	4	Alzheimers Res Ther	202 5	Oct 5, 202 5 (just now)
40759793 ♂ DOI ♂	Left ventricular myocardial molecular profile of human diabetic ischaemic cardiomyopathy.	Hunter, Benjamin 16	0	0	1	1	EMBO Mol Med	202 5	Oct 5, 202

		more Lal, Sean							5 (just now)
40863167 🗗	Metabolomics Network Analysis of Various Genotypes Associated with Schizophrenia Gene Variant.	Rajula, Hema Sekhar Reddy 8 more Fanos, Vassilios	0	0.9 96	0	0	Metabolites	202 5	Oct 5, 202 5 (just now)
<u>40670786</u> ♂ <u>DOI</u> ♂	Imidazole propionate is a driver and therapeutic target in atherosclerosis.	Mastrang elo, Annalaura 37 more Sancho, David	0	18. 28 8	6	6	Nature	202 5	Oct 5, 202 5 (just now)
38975764 亿 DOI 亿	Taurine modulates host cell responses to Helicobacter pylori VacA toxin.	Westland, Mandy D 5 more Cover, Timothy L	0	0	2	2	Infect Immun	202 4	Oct 5, 202 5 (just now)

39307306 🗹 DOI 🗹	Integrated multi-omics unveil the impact of H-phosphinic analogs of glutamate and α-ketoglutarate	Giovanne rcole, Fabio 4 more De Biase, Daniela	0	0	2	2	J Biol Chem	202 4	Oct 5, 202 5 (just now)
38544285 🗹 DOI 🗹	Repeated exposure to eucalyptus wood smoke alters pulmonary gene and metabolic profiles in male L	Cochran, Samuel J11 more Gowdy, Kymberly M	0	0	1	1	Toxicol Sci	202 4	Oct 5, 202 5 (just now)
39395792 ☑ DOI ☑	Modeling enzyme competition in eicosanoid metabolism in macrophage cells using a cybernetic frame	Khanum, Sana5 more Ramkrish na, Doraiswa mi	0	0	0	0	J Lipid Res	202 4	Oct 5, 202 5 (just now

39702518 ♂ DOI ♂	Proteomic and metabolomic analyses of the human adult myocardium reveal ventricle-specific regula	Hunter, Benjamin 11 more Lal, Sean	0	0	2	2	Commun Biol	202 4	Oct 5, 202 5 (just now)
39824876 ☑ DOI ☑	Unveiling cellular changes in leukaemia cell lines after cannabidiol treatment through lipidomics.	Chamoso- Sanchez, David 6 more Pellati, Federica	0	0	0	0	Sci Rep	202 5	Oct 5, 202 5 (just now)
40828023 ☑ DOI ☑	Synergistic action of specialized metabolites from divergent biosynthesis in the human oral micro	Loop Yao, McKenna 7 more Zhang, Wenjun	0	0	1	1	Proc Natl Acad Sci U S A	202 5	Oct 5, 202 5 (just now)

38187579 乙 DOI 乙	Matrix Linear Models for connecting metabolite composition to individual characteristics.	Farage, Gregory 5 more Sen, Śaunak	0	0	0	0	bioRxiv	202 3	Oct 5, 202 5 (just now)
38018851 乙	Lipidomic Analysis Reveals Differences in the Extent of Remyelination in the Brain and Spinal Cord.	De Silva Mohotti, Nishama 5 more Hartley, Meredith D	0	0	2	2	J Proteome Res	202 4	Oct 5, 202 5 (just now)
38826219 乙	Single-cell transcriptomics reveals stage- and side-specificity of gene modules in colorectal can	Rahiminej ad, Sara 2 more Subrama niam, Shankar	0	0	0	0	Res Sq	202 4	Oct 5, 202 5 (just now)
38102827 乙	Modeling transcriptional regulation of the cell cycle using a novel cybernetic-inspired approach.	Raja, Rubesh 5 more Ramkrish	0	0	0	0	Biophys J	202 4	Oct 5, 202 5 (just

		na, Doraiswa mi							now)
38651675 ♂ DOI ♂	A nested case-control study of untargeted plasma metabolomics and lung cancer among neversmoking	Rahman, Mohamm ad L 12 more Lan, Qing	0	0	3	3	Int J Cancer	202 4	Oct 5, 202 5 (just now)
39328933 ♂ DOI ♂	Deletion of <i>Kcnj16</i> altered transcriptomic and metabolomic profiles of Dahl salt-sensitive	Xu, Biyang4 more Starusche nko, Alexander	0	1.3 63	1	1	iScience	202 4	Oct 5, 202 5 (just now)
39979287 🗗 DOI 🗗	Ketogenic diet suppresses colorectal cancer through the gut microbiome long chain fatty acid stea	Tsenkova, Mina 22 more Letellier, Elisabeth	0	0	9	9	Nat Commun	202 5	Oct 5, 202 5 (just now)
40932625 🗗	Autoimmune disease risk gene ANKRD55 promotes TH17 effector	Xu, Jinjin 14	0	0	0	0	J Exp Med	202 5	Oct 5,

	function through metabolic modulation.	more Xavier, Ramnik J							202 5 (just now)
40751246 🗷	Metabolomic profiling reveals interindividual metabolic variability and its association with card	Zhou, Meng 8 more Ma, Shizhan	0	0	0	0	Cardiovasc Diabetol	202 5	Oct 5, 202 5 (just now)
37546759 🗹 DOI 🗹	Spatially resolved metabolomics and isotope tracing reveal dynamic metabolic responses of dentate	Miller, Anne 7 more Yellen, Gary	0	0	0	0	Res Sq	202 3	Oct 5, 202 5 (just now)
38226418 乙	Fatty acid metabolism promotes TRPV4 activity in lung microvascular endothelial cells in pulmonar	Philip, Nicolas 20 more Suresh, Karthik	0	0	4	4	Am J Physiol Lung Cell Mol Physiol	202 4	Oct 5, 202 5 (just now)

38313293 乙 DOI 乙	Metabolic abnormalities in the bone marrow cells of young offspring born to obese mothers.	Alina, Maloyan 4 more Kumar, Sushil	0	0	0	0	Res Sq	202 4	Oct 5, 202 5 (just now)
39707873 乙 DOI 乙	Salivary Metabolomic Signatures in Pediatric Eosinophilic Esophagitis.	Hiremath, Girish 6 more Locke, Andrea	0	3.6 22	2	2	Allergy: European Journal of Allergy and Clinical Immunology	202 5	Oct 5, 202 5 (just now)
39257804 ♂ DOI ♂	Structural and systems characterization of phosphorylation on metabolic enzymes identifies sex-sp	Tamir, Tigist Y 15 more White, Forest M	0	0	0	0	bioRxiv	202 4	Oct 5, 202 5 (just now)
39300135 亿 DOI 亿	Gut symbiont-derived sphingosine modulates vector competence in Aedes mosquitoes.	Sun, Xiaomei12 more Zou, Zhen (*/> Reposi	0 i tor i	o	4	4	Nat Commun	202 4	Oct 5, 202 5 (just

Software repositories associated with this project.

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	cardiomyocyte	S.	new reature) به العام Johns	ganx, etc.) to	а геро.			J	(just
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<u>DOI</u> 🔼	Sarcopenia in <i>i</i>	Alcohol-Relate	d Liver Dasa	rathy		Si	arcopenia Muscle	e 5	(iust

Analytics

Notes

Active Users <u>Distinct users who visited the website</u> **.**

New Users <u>Users who visited the website for the first time</u> **?**.

Engaged Sessions <u>Visits that had significant interaction</u> **?**.

Bu	ilt on Oct 5, 202	5			Dev	elope	d with	support from NII	H Award U54 (DD036472
		cardiomyocytes.	Johnson, James D							now)
	40369079 乙	Taurine from tumour niche drives glycolysis to promote leukaemogenesis.	Sharma, Sonali 21 more Bajaj, Jeevisha	0	18. 28 8	6	6	Nature	202 5	Oct 5, 202 5 (just now)
	40502162 乙	OGDHL regulates nucleotide metabolism, tumor growth, and neuroendocrine marker expression in pros	Bernard, Matthew J 19 more Goldstein, Andrew S	0	0	0	0	bioRxiv	202 5	Oct 5, 202 5 (just now)

[&]quot;Top" metrics are measured by number of engaged sessions.

40791373 ♂ DOI ♂	ndufs2 ^{-/-} zebrafish have impaired survival, neuromuscular activity, morphology, and on	Mitchell, Dana V 10 more Falk, Marni J	0	0	1	1	bioRxiv	202 5	Oct 5, 202 5 (just now)
40600951 🖸 DOI 🖸 Notes	Histidine decarboxylase inhibition attenuates cancer-associated muscle wasting.	Dasgupta, Aneesha 11 more Doles, Jason D	0	0	0	0	J Exp Med	202 5	Oct 5, 202 5 (just now)

14000

RCR Relative Citation Ratio

SJR Scimago Journal Rank

Publications (cumulative)





