Roberto Bizzotto

List of Publications by Year
in descending order

25 papers	860 citations	686830 13 h-index	580395 25 g-index
25 all docs	25 docs citations	25 times ranked	1686 citing authors

#	Article	IF	Citations
1	Four groups of type 2 diabetes contribute to the etiological and clinical heterogeneity in newly diagnosed individuals: An IMI DIRECT study. Cell Reports Medicine, 2022, 3, 100477.	3.3	39
2	Development and optimisation of a fentanyl pharmacokinetic model for target-controlled infusion (TCI) in anaesthetised dogs. Veterinary Anaesthesia and Analgesia, 2022, , .	0.3	1
3	Lipid-induced glucose intolerance is driven by impaired glucose kinetics and insulin metabolism in healthy individuals. Metabolism: Clinical and Experimental, 2022, 134, 155247.	1.5	7
4	New Insights on the Interactions Between Insulin Clearance and the Main Glucose Homeostasis Mechanisms. Diabetes Care, 2021, 44, 2115-2123.	4.3	16
5	Processes Underlying Glycemic Deterioration in Type 2 Diabetes: An IMI DIRECT Study. Diabetes Care, 2021, 44, 511-518.	4.3	16
6	Dietary metabolite profiling brings new insight into the relationship between nutrition and metabolic risk: An IMI DIRECT study. EBioMedicine, 2020, 58, 102932.	2.7	3
7	Mathematical Modeling for the Physiological and Clinical Investigation of Glucose Homeostasis and Diabetes. Frontiers in Physiology, 2020, 11, 575789.	1.3	25
8	Genetic studies of abdominal MRI data identify genes regulating hepcidin as major determinants of liver iron concentration. Journal of Hepatology, 2019, 71, 594-602.	1.8	23
9	A pharmacokinetic model optimized by covariates for propofol target-controlled infusion in dogs. Veterinary Anaesthesia and Analgesia, 2019, 46, 568-578.	0.3	5
10	Sleeping oxygen saturation, rapid eye movement sleep, and the adaptation of postprandial metabolic function in insulin sensitive and resistant individuals without diabetes. Physiology and Behavior, 2018, 191, 123-130.	1.0	1
11	Effect of singleâ€dose <scp>DPP</scp>â€4 inhibitor sitagliptin on Î²â€cell function and incretin hormone secretion after meal ingestion in healthy volunteers and drugâ€naÃ¯ve, wellâ€controlled type 2 diabetes subjects. Diabetes, Obesity and Metabolism, 2018, 20, 1080-1085.	2.2	16
12	Analysis of variability in length of sleep state bouts reveals memory-free sleep subcomponents consistent among primary insomnia patients. Journal of Neurophysiology, 2018, 119, 1836-1851.	0.9	3
13	Increased insulin clearance in mice with double deletion of glucagon-like peptide-1 and glucose-dependent insulinotropic polypeptide receptors. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 314, R639-R646.	0.9	12
14	Inhibition of sweet chemosensory receptors alters insulin responses during glucose ingestion in healthy adults: a randomized crossover interventional study. American Journal of Clinical Nutrition, 2017, 105, 1001-1009.	2.2	21
15	PharmML in Action: an Interoperable Language for Modeling and Simulation. CPT: Pharmacometrics and Systems Pharmacology, 2017, 6, 651-665.	1.3	6
16	GLP-1 response to sequential mixed meals: influence of insulin resistance. Clinical Science, 2017, 131, 2901-2910.	1.8	9
17	Model Description Language (MDL): A Standard for Modeling and Simulation. CPT: Pharmacometrics and Systems Pharmacology, 2017, 6, 647-650.	1.3	15
18	Glucose uptake saturation explains glucose kinetics profiles measured by different tests. American Journal of Physiology - Endocrinology and Metabolism, 2016, 311, E346-E357.	1.8	7

#	Article	IF	Citations
19	Mixed meal ingestion diminishes glucose excursion in comparison with glucose ingestion via several adaptive mechanisms in people with and without type 2 diabetes. Diabetes, Obesity and Metabolism, 2016, 18, 24-33.	2.2	29
20	Shift to Fatty Substrate Utilization in Response to Sodiumâ€“Glucose Cotransporter 2 Inhibition in Subjects Without Diabetes and Patients With Type 2 Diabetes. Diabetes, 2016, 65, 1190-1195.	0.3	498
21	Pharmacometrics Markup Language (PharmML): Opening New Perspectives for Model Exchange in Drug Development. CPT: Pharmacometrics and Systems Pharmacology, 2015, 4, 316-319.	1.3	37
22	Incretin and Islet Hormone Responses to Meals of Increasing Size in Healthy Subjects. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 561-568.	1.8	29
23	Adaptation of Î²-Cell and Endothelial Function to Carbohydrate Loading: Influence of Insulin Resistance. Diabetes, 2015, 64, 2550-2559.	0.3	10
24	Multinomial Logistic Functions in Markov Chain Models of Sleep Architecture: Internal and External Validation and Covariate Analysis. AAPS Journal, 2011, 13, 445-463.	2.2	9
25	Multinomial logistic estimation of Markov-chain models for modeling sleep architecture in primary insomnia patients. Journal of Pharmacokinetics and Pharmacodynamics, 2010, 37, 137-155.	0.8	23