

Piotr S Gromski

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,548
citations

567281

15
h-index

677142

22
g-index

22
all docs

22
docs citations

22
times ranked

3196
citing authors

#	ARTICLE	IF	CITATIONS
1	A tutorial review: Metabolomics and partial least squares-discriminant analysis – a marriage of convenience or a shotgun wedding. <i>Analytica Chimica Acta</i> , 2015, 879, 10-23.	5.4	618
2	How to explore chemical space using algorithms and automation. <i>Nature Reviews Chemistry</i> , 2019, 3, 119-128.	30.2	168
3	Influence of Missing Values Substitutes on Multivariate Analysis of Metabolomics Data. <i>Metabolites</i> , 2014, 4, 433-452.	2.9	158
4	A comparative investigation of modern feature selection and classification approaches for the analysis of mass spectrometry data. <i>Analytica Chimica Acta</i> , 2014, 829, 1-8.	5.4	93
5	Universal Chemical Synthesis and Discovery with “The Chemputer”™. <i>Trends in Chemistry</i> , 2020, 2, 4-12.	8.5	88
6	Identifying molecules as biosignatures with assembly theory and mass spectrometry. <i>Nature Communications</i> , 2021, 12, 3033.	12.8	66
7	Designing Algorithms To Aid Discovery by Chemical Robots. <i>ACS Central Science</i> , 2018, 4, 793-804.	11.3	64
8	A comparison of different chemometrics approaches for the robust classification of electronic nose data. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 7581-7590.	3.7	63
9	The influence of scaling metabolomics data on model classification accuracy. <i>Metabolomics</i> , 2015, 11, 684-695.	3.0	62
10	Environmental control programs the emergence of distinct functional ensembles from unconstrained chemical reactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 5387-5392.	7.1	40
11	Association of Epidural Analgesia in Women in Labor With Neonatal and Childhood Outcomes in a Population Cohort. <i>JAMA Network Open</i> , 2021, 4, e2131683.	5.9	23
12	Population implications of cessation of IVF during the COVID-19 pandemic. <i>Reproductive BioMedicine Online</i> , 2020, 41, 428-430.	2.4	20
13	Multivariate data analysis and metabolic profiling of artemisinin and related compounds in high yielding varieties of <i>Artemisia annua</i> field-grown in Madagascar. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 117, 522-531.	2.8	18
14	Integrated synthesis of nucleotide and nucleosides influenced by amino acids. <i>Communications Chemistry</i> , 2019, 2, .	4.5	17
15	Miller’s “Urey Spark” Discharge Experiments in the Deuterium World. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8079-8082.	13.8	15
16	Neonatal and early childhood outcomes following maternal anesthesia for cesarean section: a population-based cohort study. <i>Regional Anesthesia and Pain Medicine</i> , 2021, 46, 482-489.	2.3	11
17	Ethnic differences in male reproductive hormones and relationships with adiposity and insulin resistance in older men. <i>Clinical Endocrinology</i> , 2017, 86, 660-668.	2.4	8
18	2008 financial crisis versus 2020 economic fallout: how COVID-19 might influence fertility treatment and live births. <i>Reproductive BioMedicine Online</i> , 2021, 42, 1087-1096.	2.4	8

#	ARTICLE	IF	CITATIONS
19	SARS-Cov-2 viral and serological screening of staff in 31 European fertility units. Human Reproduction Open, 2020, 2020, hoaa056.	5.4	5
20	Millerâ€™Urey Sparkâ€™Discharge Experiments in the Deuterium World. Angewandte Chemie, 2017, 129, 8191-8194.	2.0	1
21	Regulation to reality: COVID-19 and IVF activity. Human Reproduction, 2021, 36, 519-521.	0.9	1