Ana Rotter

List of Publications by Year
in descending order

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51 papers	2,181 citations	218381 26 h-index	253896 43 g-index
52 all docs	52 docs citations	52 times ranked	3152 citing authors

#	Article	IF	Citations
1	DNAqua-Net: Developing new genetic tools for bioassessment and monitoring of aquatic ecosystems in Europe. Research Ideas and Outcomes, 0, 2, e11321.	1.0	154
2	'Bois noir' phytoplasma induces significant reprogramming of the leaf transcriptome in the field grown grapevine. BMC Genomics, 2009, 10, 460.	1.2	149
3	Between source and sea: The role of wastewater treatment in reducing marine microplastics. Journal of Environmental Management, 2020, 266, 110642.	3.8	122
4	Why We Need Sustainable Networks Bridging Countries, Disciplines, Cultures and Generations for Aquatic Biomonitoring 2.0: A Perspective Derived From the DNAqua-Net COST Action. Advances in Ecological Research, 2018, 58, 63-99.	1.4	120
5	GoMapMan: integration, consolidation and visualization of plant gene annotations within the MapMan ontology. Nucleic Acids Research, 2014, 42, D1167-D1175.	6.5	108
6	PVY^{NTN} elicits a diverse gene expression response in different potato genotypes in the first 12Âh after inoculation. Molecular Plant Pathology, 2009, 10, 263-275.	2.0	97
7	Marine Environmental Plastic Pollution: Mitigation by Microorganism Degradation and Recycling Valorization. Frontiers in Marine Science, 2020, 7, .	1.2	86
8	Assessment of toxicity and genotoxicity of low doses of 5-fluorouracil in zebrafish (Danio rerio) two-generation study. Water Research, 2015, 77, 201-212.	5.3	81
9	Realâ€time PCR detection systems for Flavescence dorÃ©e and Bois noir phytoplasmas in grapevine: comparison with conventional PCR detection and application in diagnostics. Plant Pathology, 2007, 56, 785-796.	1.2	76
10	<scp>LAMP</scp> assay and rapid sample preparation method for onâ€site detection of flavescence dorÃ©e phytoplasma in grapevine. Plant Pathology, 2015, 64, 286-296.	1.2	76
11	The Essentials of Marine Biotechnology. Frontiers in Marine Science, 2021, 8, .	1.2	75
12	Adaptation of the MapMan ontology to biotic stress responses: application in solanaceous species. Plant Methods, 2007, 3, 10.	1.9	74
13	quantGenius: implementation of a decision support system for qPCR-based gene quantification. BMC Bioinformatics, 2017, 18, 276.	1.2	64
14	Marine Anticancer Agents: An Overview with a Particular Focus on Their Chemical Classes. Marine Drugs, 2020, 18, 619.	2.2	62
15	Mesenchymal stem cells differentially affect the invasion of distinct glioblastoma cell lines. Oncotarget, 2017, 8, 25482-25499.	0.8	58
16	Induced expression of sucrose synthase and alcohol dehydrogenase I genes in phytoplasmaâ€infected grapevine plants grown in the field. Plant Pathology, 2009, 58, 170-180.	1.2	54
17	Gene expression profiling in susceptible interaction of grapevine with its fungal pathogen Eutypa lata: Extending MapMan ontology for grapevine. BMC Plant Biology, 2009, 9, 104.	1.6	51
18	Aggressive and mild Potato virus Y isolates trigger different specific responses in susceptible potato plants. Plant Pathology, 2010, 59, 1121-1132.	1.2	50

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19	Human Mesenchymal Stem Cells Exploit the Immune Response Mediating Chemokines to Impact the Phenotype of Glioblastoma. Cell Transplantation, 2012, 21, 1529-1545.	1.2	46
20	CCR5-Mediated Signaling is Involved in Invasion of Glioblastoma Cells in Its Microenvironment. International Journal of Molecular Sciences, 2020, 21, 4199.	1.8	42
21	Potato virus Y infection hinders potato defence response and renders plants more vulnerable to Colorado potato beetle attack. Molecular Ecology, 2014, 23, 5378-5391.	2.0	41
22	Expression Analysis of All Protease Genes Reveals Cathepsin K to Be Overexpressed in Glioblastoma. PLoS ONE, 2014, 9, e111819.	1.1	40
23	Valorization of Marine Waste: Use of Industrial By-Products and Beach Wrack Towards the Production of High Added-Value Products. Frontiers in Marine Science, 2021, 8, .	1.2	35
24	A perspective on the potential of using marine organic fertilizers for the sustainable management of coastal ecosystem services. Environmental Sustainability, 2020, 3, 105-115.	1.4	34
25	Clitocypin, a fungal cysteine protease inhibitor, exerts its insecticidal effect on Colorado potato beetle larvae by inhibiting their digestive cysteine proteases. Pesticide Biochemistry and Physiology, 2015, 122, 59-66.	1.6	32
26	Revealing fosfomycin primary effect on Staphylococcus aureus transcriptome: modulation of cell envelope biosynthesis and phosphoenolpyruvate induced starvation. BMC Microbiology, 2010, 10, 159.	1.3	30
27	Detection of Active Microbial Enzymes in Nascent Sea Spray Aerosol: Implications for Atmospheric Chemistry and Climate. Environmental Science and Technology Letters, 2019, 6, 171-177.	3.9	28
28	Statistical modeling of long-term grapevine response to â€˜Candidatus Phytoplasma solaniâ€™ infection in the field. European Journal of Plant Pathology, 2018, 150, 653-668.	0.8	26
29	Phytoplankton diversity in Adriatic ports: Lessons from the port baseline survey for the management of harmful algal species. Marine Pollution Bulletin, 2019, 147, 117-132.	2.3	26
30	Integrated omics approaches provide strategies for rapid erythromycin yield increase in Saccharopolyspora erythraea. Microbial Cell Factories, 2016, 15, 93.	1.9	24
31	A New Network for the Advancement of Marine Biotechnology in Europe and Beyond. Frontiers in Marine Science, 2020, 7, .	1.2	22
32	Influence of selected anti-cancer drugs on the induction of DNA double-strand breaks and changes in gene expression in human hepatoma HepG2 cells. Environmental Science and Pollution Research, 2016, 23, 14751-14761.	2.7	21
33	Any signs of replacement of canopy-forming algae by turf-forming algae in the northern Adriatic Sea?. Ecological Indicators, 2018, 87, 272-284.	2.6	21
34	Non-indigenous Species in the Mediterranean Sea: Turning From Pest to Source by Developing the 8Rs Model, a New Paradigm in Pollution Mitigation. Frontiers in Marine Science, 2020, 7, .	1.2	20
35	TRIM28 Selective Nanobody Reduces Glioblastoma Stem Cell Invasion. Molecules, 2021, 26, 5141.	1.7	16
36	Single-Use Plastic Bans: Exploring Stakeholder Perspectives on Best Practices for Reducing Plastic Pollution. Environments - MDPI, 2021, 8, 81.	1.5	15

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37	Insertion of a Specific Fungal 3â€²-phosphoadenosine-5â€²-phosphatase Motif into a Plant Homologue Improves Halotolerance and Drought Tolerance of Plants. PLoS ONE, 2013, 8, e81872.	1.1	14
38	Sequestration of Polystyrene Microplastics by Jellyfish Mucus. Frontiers in Marine Science, 2021, 8, .	1.2	13
39	Finding Differentially Expressed Genes in Two-Channel DNA Microarray Datasets: How to Increase Reliability of Data Preprocessing. OMICS A Journal of Integrative Biology, 2008, 12, 171-182.	1.0	12
40	Dose-Modifying Factor of Radiation Therapy with Concurrent Cisplatin Treatment in HPV-Positive Squamous Cell Carcinoma: A Preclinical Study. Radiation Research, 2018, 189, 644.	0.7	11
41	Genotoxic effects of the cyanobacterial pentapeptide nodularin in HepG2 cells. Food and Chemical Toxicology, 2019, 124, 349-358.	1.8	9
42	Deregulation of whole-transcriptome gene expression in zebrafish (Danio rerio) after chronic exposure to low doses of imatinib mesylate in a complete life cycle study. Chemosphere, 2021, 263, 128097.	4.2	9
43	Upregulation of Cathepsin X in Glioblastoma: Interplay with Î³-Enolase and the Effects of Selective Cathepsin X Inhibitors. International Journal of Molecular Sciences, 2022, 23, 1784.	1.8	9
44	Cystatin F acts as a mediator of immune suppression in glioblastoma. Cellular Oncology (Dordrecht), 2021, 44, 1051-1063.	2.1	8
45	A New Tool for Faster Construction of Marine Biotechnology Collaborative Networks. Frontiers in Marine Science, 2021, 8, .	1.2	7
46	A Defense of Eastern European Science. Science, 2014, 343, 839-839.	6.0	4
47	Grass Growth and N2O Emissions From Soil After Application of Jellyfish in Coastal Areas. Frontiers in Marine Science, 2021, 8, .	1.2	4
48	The Duality of Stem Cells: Double-Edged Sword in tumor Evolution and Treatment. , 2013, , 391-433.		3
49	Gene Expression Data Analysis Using Closed Itemset Mining for Labeled Data. OMICS A Journal of Integrative Biology, 2010, 14, 177-186.	1.0	1
50	VisualisationVISUALISATION of Transcriptomic TRANSCRIPTOMICS s Data in Metabolic Pathways. , 2010, , 335-342.		0
51	Microplastics pollution: a thriller with many leading roles and an unknown ending. , 2022, , 275-306.		0