Katja Sterflinger

List of Publications by Year
in descending order

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Version: 2024-02-01

113	4,668	117625	114465
papers	citations	34 h-index	63 g-index

117	117	117	4198
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fungi: Their role in deterioration of cultural heritage. Fungal Biology Reviews, 2010, 24, 47-55.	4.7	417
2	Fungi as Geologic Agents. Geomicrobiology Journal, 2000, 17, 97-124.	2.0	368
3	Microbial deterioration of cultural heritage and works of art â€" tilting at windmills?. Applied Microbiology and Biotechnology, 2013, 97, 9637-9646.	3.6	356
4	The effect of resource quantity and resource stoichiometry on microbial carbon-use-efficiency. FEMS Microbiology Ecology, 2010, 73, no-no.	2.7	227
5	Fungi in hot and cold deserts with particular reference to microcolonial fungi. Fungal Ecology, 2012, 5, 453-462.	1.6	163
6	Dematiaceous fungi as a major agent for biopitting on Mediterranean marbles and limestones. Geomicrobiology Journal, 1997, 14, 219-230.	2.0	143
7	The revenge of time: fungal deterioration of cultural heritage with particular reference to books, paper and parchment. Environmental Microbiology, 2012, 14, 559-566.	3.8	140
8	Temperature and NaCl-tolerance of rock-inhabiting meristematic fungi. Antonie Van Leeuwenhoek, 1998, 74, 271-281.	1.7	113
9	Molecular taxonomy and biodiversity of rock fungal communities in an urban environment (Vienna,) Tj ETQq1 1 0.784314 rgBT /Overlo	1.7	93
10	Coniosporium perforans and C. apollinis, two new rock-inhabiting fungi isolated from marble in the Sanctuary of Delos (Cyclades, Greece). Antonie Van Leeuwenhoek, 1997, 72, 349-363.	1.7	86
11	Microbial survey of the mummies from the Capuchin Catacombs of Palermo, Italy: biodeterioration risk and contamination of the indoor air. FEMS Microbiology Ecology, 2013, 86, 341-356.	2.7	81
12	Weathering and Deterioration. , 2011, , 227-316.		76
13	Molecular profiling of yeasts isolated during spontaneous fermentations of Austrian wines. FEMS Yeast Research, 2008, 8, 1063-1075.	2.3	71
14	Unmasking the measlesâ€like parchment discoloration: molecular and microanalytical approach. Environmental Microbiology, 2015, 17, 427-443.	3.8	69
15	Microcolonial Fungi on Rocks: A Life in Constant Drought?. Mycopathologia, 2013, 175, 537-547.	3.1	67
16	Pathogenic Yet Environmentally Friendly? Black Fungal Candidates for Bioremediation of Pollutants. Geomicrobiology Journal, 2016, 33, 308-317.	2.0	64
17	Future directions and challenges in biodeterioration research on historic materials and cultural properties. International Biodeterioration and Biodegradation, 2018, 129, 10-12.	3.9	63
18	Contribution of the Microbial Communities Detected on an Oil Painting on Canvas to Its Biodeterioration. PLoS ONE, 2013, 8, e80198.	2.5	62

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19	Multiple Stress Factors affecting Growth of Rockâ€inhabiting Black Fungi. Botanica Acta, 1995, 108, 490-496.	1.6	61
20	Microcolonial fungi from antique marbles in Perge/Side/Termessos (Antalya/Turkey). Antonie Van Leeuwenhoek, 2007, 91, 217-227.	1.7	61
21	First evaluation of the microbiome of built cultural heritage by using the Ion Torrent next generation sequencing platform. International Biodeterioration and Biodegradation, 2018, 131, 11-18.	3.9	61
22	The micro-biota of a sub-surface monument the medieval chapel of St. Virgil (Vienna, Austria). International Biodeterioration and Biodegradation, 2009, 63, 851-859.	3.9	56
23	Microscopic, chemical, and molecular-biological investigation of the decayed medieval stained window glasses of two Catalonian churches. International Biodeterioration and Biodegradation, 2013, 84, 388-400.	3.9	56
24	Molecular monitoring of the microbial dynamics occurring on historical limestone buildings during and after the in situ application of different bio-consolidation treatments. Science of the Total Environment, 2011, 409, 5337-5352.	8.0	53
25	Genotypic and phenotypic evolution of yeast interspecies hybrids during high-sugar fermentation. Applied Microbiology and Biotechnology, 2016, 100, 6331-6343.	3.6	53
26	Black Yeasts and Meristematic Fungi: Ecology, Diversity and Identification. , 2006, , 501-514.		52
27	Microbial communities adhering to the obverse and reverse sides of an oil painting on canvas: identification and evaluation of their biodegradative potential. Aerobiologia, 2013, 29, 301-314.	1.7	52
28	Amid the possible causes of a very famous foxing: molecular and microscopic insight into <scp>L</scp>eonardo da <scp>V</scp>inci's selfâ€portrait. Environmental Microbiology Reports, 2015, 7, 849-859.	2.4	46
29	Alteration of protein patterns in black rock inhabiting fungi as a response to different temperatures. Fungal Biology, 2012, 116, 932-940.	2.5	45
30	Halophilic Microorganisms Are Responsible for the Rosy Discolouration of Saline Environments in Three Historical Buildings with Mural Paintings. PLoS ONE, 2014, 9, e103844.	2.5	45
31	Description of Holtermanniella gen. nov., including Holtermanniella takashimae sp. nov. and four new combinations, and proposal of the order Holtermanniales to accommodate tremellomycetous yeasts of the Holtermannia clade. International Journal of Systematic and Evolutionary Microbiology, 2011, 61, 680-689.	1.7	44
32	Microbes on building materials â€" Evaluation of DNA extraction protocols as common basis for molecular analysis. Science of the Total Environment, 2012, 439, 44-53.	8.0	40
33	Halophilic bacteria are colonizing the exhibition areas of the Capuchin Catacombs in Palermo, Italy. Extremophiles, 2014, 18, 677-691.	2.3	40
34	Protein patterns of black fungi under simulated Mars-like conditions. Scientific Reports, 2014, 4, 5114.	3.3	39
35	Genomic and transcriptomic analysis of the toluene degrading black yeast Cladophialophora immunda. Scientific Reports, 2017, 7, 11436.	3.3	37
36	Rapid diagnosis of biological colonization in cultural artefacts using the MinION nanopore sequencing technology. International Biodeterioration and Biodegradation, 2020, 148, 104908.	3.9	37

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37	A Combined Approach to Assess the Microbial Contamination of the Archimedes Palimpsest. Microbial Ecology, 2015, 69, 118-134.	2.8	36
38	Predominant localization of the major Alternaria allergen Alt a 1 in the cell wall of airborne spores. Journal of Allergy and Clinical Immunology, 2012, 129, 1148-1149.	2.9	35
39	Cultivation and molecular monitoring of halophilic microorganisms inhabiting an extreme environment presented by a salt-attacked monument. International Journal of Astrobiology, 2010, 9, 59-72.	1.6	34
40	From Glacier to Sauna: RNA-Seq of the Human Pathogen Black Fungus Exophiala dermatitidis under Varying Temperature Conditions Exhibits Common and Novel Fungal Response. PLoS ONE, 2015, 10, e0127103.	2.5	32
41	Biodeterioration Risk Threatens the 3100 Year Old Staircase of Hallstatt (Austria): Possible Involvement of Halophilic Microorganisms. PLoS ONE, 2016, 11, e0148279.	2.5	32
42	Phylogeny and Systematics of the Fungi with Special Reference to the Ascomycota and Basidiomycota. , 2002, 81, 207-295.		31
43	A new species of Capnobotryella from monument surfaces. Mycological Research, 2007, 111, 1235-1241.	2.5	31
44	Bacterial Community Dynamics During the Application of a Myxococcus xanthus-Inoculated Culture Medium Used for Consolidation of Ornamental Limestone. Microbial Ecology, 2010, 60, 15-28.	2.8	30
45	A new Coniosporium species from historical marble monuments. Mycological Progress, 2010, 9, 353-359.	1.4	30
46	Sample preparation and 2-DE procedure for protein expression profiling of black microcolonial fungi. Fungal Biology, 2011, 115, 971-977.	2.5	30
47	Weathering and Deterioration. , 2014, , 225-316.		30
48	Phylogenetic relationship ofOphiostoma piliferumto other sapstain fungi based on the nuclear rRNA gene. FEMS Microbiology Letters, 2001, 195, 163-167.	1.8	28
49	Potential extinction of Antarctic endemic fungal species as a consequence of global warming. Science of the Total Environment, 2012, 438, 127-134.	8.0	28
50	Quantification of fungal abundance on cultural heritage using real time PCR targeting the ÃŽÂ²-actin gene. Frontiers in Microbiology, 2014, 5, 262.	3.5	27
51	The Transcriptome of Exophiala dermatitidis during Ex-vivo Skin Model Infection. Frontiers in Cellular and Infection Microbiology, 2016, 6, 136.	3.9	27
52	Aspergillus atacamensis and A. salisburgensis: two new halophilic species from hypersaline/arid habitats with a phialosimplex-like morphology. Extremophiles, 2017, 21, 755-773.	2.3	27
53	Microstromatolitic deposits on granitic monuments: development and decay. European Journal of Mineralogy, 1997, 9, 889-902.	1.3	27
54	The Microbiome of Leonardo da Vinciâ€™s Drawings: A Bio-Archive of Their History. Frontiers in Microbiology, 2020, 11, 593401.	3.5	24

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55	Characterization of Yeasts and Filamentous Fungi using MALDI Lipid Phenotyping. Journal of Microbiological Methods, 2016, 130, 27-37.	1.6	23
56	Peculiar genomic traits in the stress-adapted cryptoendolithic Antarctic fungus Friedmanniomyces endolithicus. Fungal Biology, 2020, 124, 458-467.	2.5	23
57	Sarcinomyces sideticae, a new black yeast from historical marble monuments in Side (Antalya, Turkey). Botanical Journal of the Linnean Society, 2007, 154, 373-380.	1.6	22
58	Characterisation of Stone Deterioration on Buildings. , 2011, , 347-410.		22
59	Specific Antibodies for the Detection of <i>Alternaria</i> Allergens and the Identification of Cross-Reactive Antigens in Other Fungi. International Archives of Allergy and Immunology, 2016, 170, 269-278.	2.1	21
60	Nothing Special in the Specialist? Draft Genome Sequence of Cryomyces antarcticus, the Most Extremophilic Fungus from Antarctica. PLoS ONE, 2014, 9, e109908.	2.5	21
61	Microbial mats associated with bryozoans (Coorong Lagoon, South Australia). Facies, 1999, 41, 1-14.	1.4	19
62	Proteome of tolerance fine-tuning in the human pathogen black yeast Exophiala dermatitidis. Journal of Proteomics, 2015, 128, 39-57.	2.4	19
63	Transcriptome Study of an Exophiala dermatitidis PKS1 Mutant on an ex Vivo Skin Model: Is Melanin Important for Infection?. Frontiers in Microbiology, 2018, 9, 1457.	3.5	19
64	Draft Genome Sequences of the Black Rock Fungus Knufia petricola and Its Spontaneous Nonmelanized Mutant. Genome Announcements, 2017, 5, .	0.8	18
65	Back to the Salt Mines: Genome and Transcriptome Comparisons of the Halophilic Fungus Aspergillus salisburgensis and Its Halotolerant Relative Aspergillus sclerotialis. Genes, 2019, 10, 381.	2.4	17
66	A time travel story: metagenomic analyses decipher the unknown geographical shift and the storage history of possibly smuggled antique marble statues. Annals of Microbiology, 2019, 69, 1001-1021.	2.6	17
67	Natural sciences at the service of art and cultural heritage: an interdisciplinary area in development and important challenges. Microbial Biotechnology, 2021, 14, 806-809.	4.2	17
68	Stone Conservation. , 2011, , 411-544.		16
69	Shed Light in the DaRk LineagES of the Fungal Tree of Lifeâ€"STRES. Life, 2020, 10, 362.	2.4	16
70	Molecular Tools for Monitoring the Ecological Sustainability of a Stone Bio-Consolidation Treatment at the Royal Chapel, Granada. PLoS ONE, 2015, 10, e0132465.	2.5	16
71	Morphological and Molecular Characterization of a Rock Inhabiting and Rock Decaying Dematiaceous Fungus Isolated from Antique Monuments of Delos (Cyclades, Greece) and Chersonesus (Crimea,) Tj ETQq1 1 0.784314 rgBT /Overlock	4.3	
72	Big Sound and Extreme Fungiâ€"Xerophilic, Halotolerant Aspergilli and Penicillia with Low Optimal Temperature as Invaders of Historic Pipe Organs. Life, 2018, 8, 22.	2.4	15

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73	Decoding the biological information contained in two ancient Slavonic parchment codices: an added historical value. Environmental Microbiology, 2020, 22, 3218-3233.	3.8	15
74	Shotgun proteomics reveals putative polyesterases in the secretome of the rock-inhabiting fungus Knufia chersonesos. Scientific Reports, 2020, 10, 9770.	3.3	14
75	An Overview of Genomics, Phylogenomics and Proteomics Approaches in Ascomycota. Life, 2020, 10, 356.	2.4	12
76	Two new species of Capnobotryella from historical monuments. Mycological Progress, 2011, 10, 333-339.	1.4	11
77	Bio-susceptibility of Materials and Thermal Insulation Systems used for Historical Buildings. Energy Procedia, 2013, 40, 499-506.	1.8	11
78	Insect pests and Integrated Pest Management in the Capuchin Catacombs of Palermo, Italy. International Biodeterioration and Biodegradation, 2018, 131, 107-114.	3.9	11
79	Effects of Simulated Microgravity on the Proteome and Secretome of the Polyextremotolerant Black Fungus Knufia chersonesos. Frontiers in Genetics, 2021, 12, 638708.	2.3	11
80	Fungal infections of a colonial marine invertebrate: Diversity and morphological consequences. Facies, 2001, 45, 31-37.	1.4	10
81	Patination of marble, sandstone and granite by microbial communities. Zeitschrift Der Deutschen Geologischen Gesellschaft, 1999, 150, 299-311.	0.1	10
82	Climate Change and Its Effects on Indoor Pests (Insect and Fungi) in Museums. Climate, 2022, 10, 103.	2.8	10
83	Title is missing!. European Journal of Plant Pathology, 2002, 108, 793-801.	1.7	9
84	Alternaria jesenskae sp. nov., a new species from Slovakia on Fumana procumbens (Cistaceae). Microbiological Research, 2008, 163, 208-214.	5.3	9
85	Recent Advances in the Molecular Biology and Ecophysiology of Meristematic Stone-Inhabiting Fungi. , 2000, , 3-19.		9
86	Contamination of wounds with fecal bacteria in immuno-suppressed mice. Scientific Reports, 2020, 10, 11494.	3.3	8
87	A Review beyond the borders: Proteomics of microclonial black fungi and black yeasts. Natural Science, 2013, 05, 640-645.	0.4	8
88	Molecular characterization of the closely related Debaryomyces species: Proposition of D. vindobonensis sp. nov. from a municipal wastewater treatment plant. Journal of General and Applied Microbiology, 2013, 59, 49-58.	0.7	7
89	First records of Knufia marmoricola from limestone outcrops in the WyÅ¼ynaÂKrakowsko-CzÄ™stochowska Upland, Poland. Phytotaxa, 2018, 357, 94.	0.3	7
90	Selective screening: isolation of fungal strains from contaminated soils in Austria. Bodenkultur, 2018, 68, 157-169.	0.2	7

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91	The Kiev Folia: An interdisciplinary approach to unravelling the past of an ancient Slavonic manuscript. International Biodeterioration and Biodegradation, 2022, 167, 105342.	3.9	7
92	Schizonella caricis-atratae (Ustilaginomycetes): a new cryptic species on Carex atrata from Austria. Mycological Progress, 2009, 8, 157-164.	1.4	6
93	Draft Genome of Cladophialophora immunda, a Black Yeast and Efficient Degrader of Polyaromatic Hydrocarbons. Genome Announcements, 2015, 3, .	0.8	6
94	A Multi-Analytical Approach to Infer Mineralâ€“Microbial Interactions Applied to Petroglyph Sites in the Negev Desert of Israel. Applied Sciences (Switzerland), 2022, 12, 6936.	2.5	6
95	Draft Genome Sequence of Exophiala mesophila, a Black Yeast with High Bioremediation Potential. Genome Announcements, 2015, 3, .	0.8	5
96	Draft Genome of Debaryomyces fabryi CBS 789 ^T , Isolated from a Human Interdigital Mycotic Lesion. Genome Announcements, 2016, 4, .	0.8	5
97	Occurrence of powdery mildews on new hosts in Turkey. Phytoparasitica, 2006, 34, 474-476.	1.2	4
98	Evidence of Fungal Spreading by the Grey Silverfish (Ctenolepisma longicaudatum) in Austrian Museums. Restaurator, 2021, 42, 57-65.	0.2	4
99	Identification of Ulocladium chartarum as an important indoor allergen source. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 3202-3206.	5.7	4
100	Global Proteomics of Extremophilic Fungi: Mission Accomplished?. , 2019, , 205-249.		4
101	Multi-Analytical Investigations of Andy Warholâ€™s â€œOrange Car Crashâ€• Polymeric Materials in Modern Paints. Polymers, 2022, 14, 633.	4.5	4
102	Data Fusion Approach to Simultaneously Evaluate the Degradation Process Caused by Ozone and Humidity on Modern Paint Materials. Polymers, 2022, 14, 1787.	4.5	4
103	The emerging pathogen Paecilomyces variotii â€•a novel and important fungal allergen source. Allergy: European Journal of Allergy and Clinical Immunology, 2022, 77, 1045-1048.	5.7	3
104	Precision replicas of microbially contaminated surfaces for optical and SEM-analyses. Journal of Microbiological Methods, 1995, 23, 301-308.	1.6	2
105	Protein functional analysis data in support of comparative proteomics of the pathogenic black yeast Exophiala dermatitidis under different temperature conditions. Data in Brief, 2015, 5, 372-375.	1.0	2
106	Draft Genome Sequence of the Interspecies Hybrid Saccharomyces pastorianus Strain HA2560, Isolated from a Municipal Wastewater Treatment Plant. Genome Announcements, 2018, 6, .	0.8	2
107	What about Phenol Formaldehyde (PF) Foam in Modern-Contemporary Art? Insights into the Unaged and Naturally Aged Material by a Multi-Analytical Approach. Polymers, 2021, 13, 1964.	4.5	2
108	Phylogenetic relationship of Ophiostoma piliferum to other sapstain fungi based on the nuclear rRNA gene. FEMS Microbiology Letters, 2001, 195, 163-167.	1.8	2

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109	Non-Invasive Physico-Chemical and Biological Analysis of Parchment Manuscripts â€“ An Overview. Restaurator, 2022, 43, 127-142.	0.2	2
110	Molecular-Based Techniques for the Study of Microbial Communities in Artworks. , 2021, , 59-77.		1
111	The effect of new LED lighting systems on the colour of modern paints. Scientific Reports, 2021, 11, 22375.	3.3	1
112	Draft Genome Sequence of the Saccharomyces cerevisiae Ã— Saccharomyces kudriavzevii HA1836 Interspecies Hybrid Yeast. Genome Announcements, 2018, 6, .	0.8	0
113	A Multi-Analytical Approach for Studying the Effect of New LED Lighting Systems on Modern Paints: Chemical Stability Investigations. Polymers, 2021, 13, 4441.	4.5	0