# Nicolai Kallscheuer

List of Publications by Year
in descending order



| 55 | 1,903 | 218677 | 289244 |
|---|---|---|---|
| papers | citations | 26 h-index | 40 g-index |

| 62 | 62 | 62 | 1333 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Mucisphaera calidilacus gen. nov., sp. nov., a novel planctomycete of the class Phycisphaerae isolated in the shallow sea hydrothermal system of the Lipari Islands. Antonie Van Leeuwenhoek, 2022, 115, 407. | 1.7 | 8 |
| 2 | Toward the Sustainable Production of the Active Pharmaceutical Ingredient Metaraminol. ACS Sustainable Chemistry and Engineering, 2022, 10, 5117-5128. | 6.7 | 8 |
| 3 | Bremerella alba sp. nov., a novel planctomycete isolated from the surface of the macroalga Fucus spiralis. Systematic and Applied Microbiology, 2021, 44, 126189. | 2.8 | 14 |
| 4 | Analysis of Bacterial Communities on North Sea Macroalgae and Characterization of the Isolated Planctomycetes Adhaeretor mobilis gen. nov., sp. nov., Roseimaritima multifibrata sp. nov., Rosistilla ulvae sp. nov. and Rubripirellula lacrimiformis sp. nov.. Microorganisms, 2021, 9, 1494. | 3.6 | 34 |
| 5 | Metabolic and process engineering for microbial production of protocatechuate with Corynebacterium glutamicum. Biotechnology and Bioengineering, 2021, 118, 4414-4427. | 3.3 | 10 |
| 6 | The bacterial phylum Planctomycetes as novel source for bioactive small molecules. Biotechnology Advances, 2021, 53, 107818. | 11.7 | 22 |
| 7 | Analysis of bacterial communities in a municipal duck pond during a phytoplankton bloom and isolation of Anatilimnocola aggregata gen. nov., sp. nov., Lacipirellula limnantheis sp. nov. and Urbifossiella limnaea gen. nov., sp. nov. belonging to the phylum Planctomycetes. Environmental Microbiology, 2021, 23, 1379-1396. | 3.8 | 35 |
| 8 | Three marine strains constitute the novel genus and species Crateriforma conspicua in the phylum Planctomycetes. Antonie Van Leeuwenhoek, 2020, 113, 1797-1809. | 1.7 | 35 |
| 9 | Blastopirellula retiformator sp. nov. isolated from the shallow-sea hydrothermal vent system close to Panarea Island. Antonie Van Leeuwenhoek, 2020, 113, 1811-1822. | 1.7 | 29 |
| 10 | Description of the novel planctomycetal genus Bremerella, containing Bremerella volcania sp. nov., isolated from an active volcanic site, and reclassification of Blastopirellula cremea as Bremerella cremea comb. nov.. Antonie Van Leeuwenhoek, 2020, 113, 1823-1837. | 1.7 | 36 |
| 11 | Description of three bacterial strains belonging to the new genus Novipirellula gen. nov., reclassificiation of Rhodopirellula rosea and Rhodopirellula caenicola and readjustment of the genus threshold of the phylogenetic marker rpoB for Planctomycetaceae. Antonie Van Leeuwenhoek, 2020, 113, 1779-1795. | 1.7 | 56 |
| 12 | Rhodopirellula heiligendammensis sp. nov., Rhodopirellula pilleata sp. nov., and Rhodopirellula solitaria sp. nov. isolated from natural or artificial marine surfaces in Northern Germany and California, USA, and emended description of the genus Rhodopirellula. Antonie Van Leeuwenhoek, 2020, 113, 1737-1750. | 1.7 | 35 |
| 13 | Alienimonas californiensis gen. nov. sp. nov., a novel Planctomycete isolated from the kelp forest in Monterey Bay. Antonie Van Leeuwenhoek, 2020, 113, 1751-1766. | 1.7 | 40 |
| 14 | Three novel Rubripirellula species isolated from plastic particles submerged in the Baltic Sea and the estuary of the river Warnow in northern Germany. Antonie Van Leeuwenhoek, 2020, 113, 1767-1778. | 1.7 | 41 |
| 15 | Rubinisphaera italica sp. nov. isolated from a hydrothermal area in the Tyrrhenian Sea close to the volcanic island Panarea. Antonie Van Leeuwenhoek, 2020, 113, 1727-1736. | 1.7 | 38 |
| 16 | Cultivation and functional characterization of 79 planctomycetes uncovers their unique biology. Nature Microbiology, 2020, 5, 126-140. | 13.3 | 164 |
| 17 | Caulifigura coniformis gen. nov., sp. nov., a novel member of the family Planctomycetaceae isolated from a red biofilm sampled in a hydrothermal area. Antonie Van Leeuwenhoek, 2020, 113, 1927-1937. | 1.7 | 15 |
| 18 | Rosistilla oblonga gen. nov., sp. nov. and Rosistilla carotiformis sp. nov., isolated from biotic or abiotic surfaces in Northern Germany, Mallorca, Spain and California, USA. Antonie Van Leeuwenhoek, 2020, 113, 1939-1952. | 1.7 | 20 |

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|---|---|---|---|
| 19 | Updates to the recently introduced family Lacipirellulaceae in the phylum Planctomycetes: isolation of strains belonging to the novel genera Aeoliella, Botrimarina, Pirellulimonas and Pseudobythopirellula and the novel species Bythopirellula polymerisocia and Posidoniimonas corsicana. Antonie Van Leeuwenhoek, 2020, 113, 1979-1997. | 1.7 | 47 |
| 20 | Stieleriacines, N-Acyl Dehydrotyrosines From the Marine Planctomycete Stieleria neptunia sp. nov.. Frontiers in Microbiology, 2020, 11, 1408. | 3.5 | 25 |
| 21 | Three Planctomycetes isolated from biotic surfaces in the Mediterranean Sea and the Pacific Ocean constitute the novel species Symmachiella dynata gen. nov., sp. nov. and Symmachiella macrocystis sp. nov.. Antonie Van Leeuwenhoek, 2020, 113, 1965-1977. | 1.7 | 20 |
| 22 | Stieleria varia sp. nov., isolated from wood particles in the Baltic Sea, constitutes a novel species in the family Pirellulaceae within the phylum Planctomycetes. Antonie Van Leeuwenhoek, 2020, 113, 1953-1963. | 1.7 | 14 |
| 23 | Cultivation-Independent Analysis of the Bacterial Community Associated With the Calcareous Sponge Clathrina clathrus and Isolation of Poriferisphaera corsica Gen. Nov., Sp. Nov., Belonging to the Barely Studied Class Phycisphaerae in the Phylum Planctomycetes. Frontiers in Microbiology, 2020, 11, 602250. | 3.5 | 23 |
| 24 | Additions to the genus Gimesia: description of Gimesia alba sp. nov., Gimesia algae sp. nov., Gimesia aquarii sp. nov., Gimesia aquatilis sp. nov., Gimesia fumaroli sp. nov. and Gimesia panareensis sp. nov., isolated from aquatic habitats of the Northern Hemisphere. Antonie Van Leeuwenhoek, 2020, 113, 1999-2018. | 1.7 | 41 |
| 25 | Calycomorphotria hydatis gen. nov., sp. nov., a novel species in the family Planctomycetaceae with conspicuous subcellular structures. Antonie Van Leeuwenhoek, 2020, 113, 1877-1887. | 1.7 | 17 |
| 26 | Tautonia plasticadhaerens sp. nov., a novel species in the family Isosphaeraceae isolated from an alga in a hydrothermal area of the Eolian Archipelago. Antonie Van Leeuwenhoek, 2020, 113, 1889-1900. | 1.7 | 19 |
| 27 | The planctomycete Stieleria maiorica Mal15T employs stieleriacines to alter the species composition in marine biofilms. Communications Biology, 2020, 3, 303. | 4.4 | 33 |
| 28 | Thalassoglobus polymorphus sp. nov., a novel Planctomycete isolated close to a public beach of Mallorca Island. Antonie Van Leeuwenhoek, 2020, 113, 1915-1926. | 1.7 | 15 |
| 29 | Maioricimonas rarisocia gen. nov., sp. nov., a novel planctomycete isolated from marine sediments close to Mallorca Island. Antonie Van Leeuwenhoek, 2020, 113, 1901-1913. | 1.7 | 17 |
| 30 | The Microbiome of Posidonia oceanica Seagrass Leaves Can Be Dominated by Planctomycetes. Frontiers in Microbiology, 2020, 11, 1458. | 3.5 | 40 |
| 31 | Aureliella helgolandensis gen. nov., sp. nov., a novel Planctomycete isolated from a jellyfish at the shore of the island Helgoland. Antonie Van Leeuwenhoek, 2020, 113, 1839-1849. | 1.7 | 19 |
| 32 | Description of Polystyrenella longa gen. nov., sp. nov., isolated from polystyrene particles incubated in the Baltic Sea. Antonie Van Leeuwenhoek, 2020, 113, 1851-1862. | 1.7 | 14 |
| 33 | Lignipirellula cremea gen. nov., sp. nov., a planctomycete isolated from wood particles in a brackish river estuary. Antonie Van Leeuwenhoek, 2020, 113, 1863-1875. | 1.7 | 15 |
| 34 | Alienimonas chondri sp. nov., a novel planctomycete isolated from the biofilm of the red alga Chondrus crispus. Systematic and Applied Microbiology, 2020, 43, 126083. | 2.8 | 17 |
| 35 | Production of plant metabolites with applications in the food industry using engineered microorganisms. Current Opinion in Biotechnology, 2019, 56, 7-17. | 6.6 | 58 |
| 36 | Microbial synthesis of the type I polyketide 6-methylsalicylate with Corynebacterium glutamicum. Applied Microbiology and Biotechnology, 2019, 103, 9619-9631. | 3.6 | 18 |

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|---|---|---|---|
| 37 | Pinkâ€•and orangeâ€pigmented Planctomycetes produce saproxanthinâ€type carotenoids including a rare C <sub>45</sub> carotenoid. Environmental Microbiology Reports, 2019, 11, 741-748. | 2.4 | 28 |
| 38 | Modulation of the central carbon metabolism of Corynebacterium glutamicum improves malonylâ€CoA availability and increases plant polyphenol synthesis. Biotechnology and Bioengineering, 2019, 116, 1380-1391. | 3.3 | 34 |
| 39 | Tailoring Corynebacterium glutamicum towards increased malonyl-CoA availability for efficient synthesis of the plant pentaketide noreugenin. Microbial Cell Factories, 2019, 18, 71. | 4.0 | 30 |
| 40 | Identification and Microbial Production of the Raspberry Phenol Salidroside that Is Active against Huntingtonâ€™s Disease. Plant Physiology, 2019, 179, 969-985. | 4.8 | 28 |
| 41 | Production of plant-derived polyphenols in microorganisms: current state and perspectives. Applied Microbiology and Biotechnology, 2018, 102, 1575-1585. | 3.6 | 83 |
| 42 | BacHBerry: BACterial Hosts for production of Bioactive phenolics from bERRY fruits. Phytochemistry Reviews, 2018, 17, 291-326. | 6.5 | 12 |
| 43 | Impact of the cultivation strategy on resveratrol production from glucose in engineered Corynebacterium glutamicum. Journal of Biotechnology, 2018, 265, 70-75. | 3.8 | 31 |
| 44 | Corynebacterium glutamicum â€" eine Zellfabrik fÃ¼r pflanzliche Polyphenole. BioSpektrum, 2018, 24, 449-449. | 0.0 | 0 |
| 45 | Corynebacterium glutamicum as platform for the production of hydroxybenzoic acids. Microbial Cell Factories, 2018, 17, 70. | 4.0 | 64 |
| 46 | Engineered Microorganisms for the Production of Food Additives Approved by the European Unionâ€"A Systematic Analysis. Frontiers in Microbiology, 2018, 9, 1746. | 3.5 | 49 |
| 47 | Functional expression of plant-derived O -methyltransferase, flavanone 3-hydroxylase, and flavonol synthase in Corynebacterium glutamicum for production of pterostilbene, kaempferol, and quercetin. Journal of Biotechnology, 2017, 258, 190-196. | 3.8 | 61 |
| 48 | Reversal of Î²-oxidative pathways for the microbial production of chemicals and polymer building blocks. Metabolic Engineering, 2017, 42, 33-42. | 7.0 | 48 |
| 49 | Improved production of adipate with Escherichia coli by reversal of Î²-oxidation. Applied Microbiology and Biotechnology, 2017, 101, 2371-2382. | 3.6 | 25 |
| 50 | A Novel Synthetic Pathway Enables Microbial Production of Polyphenols Independent from the Endogenous Aromatic Amino Acid Metabolism. ACS Synthetic Biology, 2017, 6, 410-415. | 3.8 | 42 |
| 51 | OptPipe - a pipeline for optimizing metabolic engineering targets. BMC Systems Biology, 2017, 11, 143. | 3.0 | 13 |
| 52 | Construction of aCorynebacterium glutamicumPlatform Strain for the Production of High-Value Plant Secondary Metabolites. Chemie-Ingenieur-Technik, 2016, 88, 1392-1393. | 0.8 | 0 |
| 53 | Construction of a Corynebacterium glutamicum platform strain for the production of stilbenes and (2S)-flavanones. Metabolic Engineering, 2016, 38, 47-55. | 7.0 | 156 |
| 54 | Identification of the phd gene cluster responsible for phenylpropanoid utilization in Corynebacterium glutamicum. Applied Microbiology and Biotechnology, 2016, 100, 1871-1881. | 3.6 | 78 |

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|---|---|---|---|
| 55 | Single-Domain Peptidyl-Prolyl cis / trans Isomerase FkpA from Corynebacterium glutamicum Improves the Biomass Yield at Increased Growth Temperatures. Applied and Environmental Microbiology, 2015, 81, 7839-7850. | 3.1 | 1 |