

# Imen Nouiou

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6211274/publications.pdf>

Version: 2024-02-01

98  
papers

4,842  
citations

218677  
26  
h-index

182427  
51  
g-index

99  
all docs

99  
docs citations

99  
times ranked

1803  
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome-Based Taxonomic Classification of the Phylum Actinobacteria. <i>Frontiers in Microbiology</i> , 2018, 9, 2007.	3.5	2,599
2	Genome-based classification of micromonosporae with a focus on their biotechnological and ecological potential. <i>Scientific Reports</i> , 2018, 8, 525.	3.3	102
3	Phylogenetic perspectives of nitrogen-fixing actinobacteria. <i>Archives of Microbiology</i> , 2012, 194, 3-11.	2.2	92
4	Cultivating the uncultured: growing the recalcitrant cluster-2 <i>Frankia</i> strains. <i>Scientific Reports</i> , 2015, 5, 13112.	3.3	90
5	Rare taxa and dark microbial matter: novel bioactive actinobacteria abound in Atacama Desert soils. <i>Antonie Van Leeuwenhoek</i> , 2018, 111, 1315-1332.	1.7	70
6	Proposal of a type strain for <i>Frankia alni</i> (Woronin 1866) Von Tubeuf 1895, emended description of <i>Frankia alni</i> , and recognition of <i>Frankia casuarinae</i> sp. nov. and <i>Frankia elaeagni</i> sp. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 5201-5210.	1.7	68
7	16Sâ€“23S rRNA Intergenic Spacer Region Variability in the Genus <i>Frankia</i> . <i>Microbial Ecology</i> , 2010, 60, 487-495.	2.8	65
8	Phylogeny of members of the <i>Frankia</i> genus based on <i>gyrB</i> , <i>nifH</i> and <i>glnII</i> sequences. <i>Antonie Van Leeuwenhoek</i> , 2011, 100, 579-587.	1.7	62
9	Draft Genome Sequence of <i>Frankia</i> sp. Strain CN3, an Atypical, Noninfective (Nod<sup>+</sup><sup>-</sup>) Ineffective (Fix<sup>+</sup><sup>-</sup>) Isolate from <i>Coriaria nepalensis</i>. <i>Genome Announcements</i> , 2013, 1, e0008513.	0.8	51
10	<i>Frankia inefficax</i> sp. nov., an actinobacterial endophyte inducing ineffective, non nitrogen-fixing, root nodules on its actinorhizal host plants. <i>Antonie Van Leeuwenhoek</i> , 2017, 110, 313-320.	1.7	48
11	Genomic Insights Into Plant-Growth-Promoting Potentialities of the Genus <i>Frankia</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 1457.	3.5	46
12	<i>Streptomyces asenjonii</i> sp. nov., isolated from hyper-arid Atacama Desert soils and emended description of <i>Streptomyces viridosporus</i> Pridham et al. 1958. <i>Antonie Van Leeuwenhoek</i> , 2017, 110, 1133-1148.	1.7	42
13	Draft Genome Sequence of <i>Frankia</i> sp. Strain BCU110501, a Nitrogen-Fixing Actinobacterium Isolated from Nodules of <i>Discaria trinevis</i>. <i>Genome Announcements</i> , 2013, 1, .	0.8	40
14	Draft Genome Sequence of <i>Frankia</i> sp. Strain QA3, a Nitrogen-Fixing Actinobacterium Isolated from the Root Nodule of <i>Alnus nitida</i>. <i>Genome Announcements</i> , 2013, 1, e0010313.	0.8	39
15	Draft Genome Sequence of <i>Frankia</i> sp. Strain BMG5.12, a Nitrogen-Fixing Actinobacterium Isolated from Tunisian Soils. <i>Genome Announcements</i> , 2013, 1, .	0.8	39
16	<i>Blastococcus capsensis</i> sp. nov., isolated from an archaeological Roman pool and emended description of the genus <i>Blastococcus</i> , <i>B. aggregatus</i> , <i>B. saxobsidens</i> , <i>B. jejuensis</i> and <i>B. endophyticus</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 4864-4872.	1.7	39
17	Genome Sequence of <i>Blastococcus saxobsidens</i> DD2, a Stone-Inhabiting Bacterium. <i>Journal of Bacteriology</i> , 2012, 194, 2752-2753.	2.2	37
18	<i>Frankia coriariae</i> sp. nov., an infective and effective microsymbiont isolated from <i>Coriaria japonica</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 1266-1270.	1.7	37

#	ARTICLE	IF	CITATIONS
19	Draft genome sequence of the symbiotic <i>Frankia</i> sp. strain BMG5.30 isolated from root nodules of <i>Coriaria myrtifolia</i> in Tunisia. <i>Antonie Van Leeuwenhoek</i> , 2019, 112, 67-74.	1.7	35
20	Uncovering the potential of novel micromonosporae isolated from an extreme hyper-arid Atacama Desert soil. <i>Scientific Reports</i> , 2019, 9, 4678.	3.3	34
21	<i>Geodermatophilus pulveris</i> sp. nov., a gamma-radiation-resistant actinobacterium isolated from the Sahara desert. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 3828-3834.	1.7	34
22	<i>Frankia asymbiotica</i> sp. nov., a non-infective actinobacterium isolated from <i>Morella californica</i> root nodule. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 4897-4901.	1.7	34
23	Genome Sequence of Radiation-Resistant <i>Modestobacter marinus</i> Strain BC501, a Representative Actinobacterium That Thrives on Calcareous Stone Surfaces. <i>Journal of Bacteriology</i> , 2012, 194, 4773-4774.	2.2	33
24	<i>Frankia discariae</i> sp. nov.: an infective and effective microsymbiont isolated from the root nodule of <i>Discaria trinervis</i> . <i>Archives of Microbiology</i> , 2017, 199, 641-647.	2.2	33
25	<i>Blastococcus atacamensis</i> sp. nov., a novel strain adapted to life in the Yungay core region of the Atacama Desert. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 2712-2721.	1.7	33
26	<i>Frankia canadensis</i> sp. nov., isolated from root nodules of <i>Alnus incana</i> subspecies <i>rugosa</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 3001-3011.	1.7	33
27	<i>Frankia torreyi</i> sp. nov., the first actinobacterium of the genus <i>Frankia</i> Brunchorst 1886, 174AL isolated in axenic culture. <i>Antonie Van Leeuwenhoek</i> , 2019, 112, 57-65.	1.7	29
28	An update on the taxonomy of the genus <i>Frankia</i> Brunchorst, 1886, 174AL. <i>Antonie Van Leeuwenhoek</i> , 2019, 112, 5-21.	1.7	29
29	Taxonomy and systematics of plant probiotic bacteria in the genomic era. <i>AIMS Microbiology</i> , 2017, 3, 383-412.	2.2	29
30	< i>In<sup>a</sup>planta</i> sporulation phenotype: a major life history trait to understand the evolution of < i>A</i>< /i>< i>Inus</i>â€“infective < i>F</i>< /i>< i>rankia</i> strains. <i>Environmental Microbiology</i> , 2015, 17, 3125-3138.	3.8	28
31	<i>Frankia irregularis</i> sp. nov., an actinobacterium unable to nodulate its original host, <i>Casuarina equisetifolia</i> , but effectively nodulates members of the actinorhizal Rhamnales. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 2883-2914.	1.7	28
32	<i>Streptomyces aridus</i> sp. nov., isolated from a high altitude Atacama Desert soil and emended description of <i>Streptomyces noboritoensis</i> Isono et al. 1957. <i>Antonie Van Leeuwenhoek</i> , 2017, 110, 705-717.	1.7	26
33	<i>Geodermatophilus chilensis</i> sp. nov., from soil of the Yungay core-region of the Atacama Desert, Chile. <i>Systematic and Applied Microbiology</i> , 2018, 41, 427-436.	2.8	25
34	The Polyextreme Ecosystem, Salar de Huasco at the Chilean Altiplano of the Atacama Desert Houses Diverse <i>Streptomyces</i> spp. with Promising Pharmaceutical Potentials. <i>Diversity</i> , 2019, 11, 69.	1.7	25
35	<i>Nocardia casuarinae</i> sp. nov., an actinobacterial endophyte isolated from root nodules of <i>Casuarina glauca</i> . <i>Antonie Van Leeuwenhoek</i> , 2014, 105, 1099-1106.	1.7	24
36	The plant-growth-promoting actinobacteria of the genus <i>Nocardia</i> induces root nodule formation in <i>Casuarina glauca</i> . <i>Antonie Van Leeuwenhoek</i> , 2019, 112, 75-90.	1.7	24

#	ARTICLE	IF	CITATIONS
37	Genomic Virulence Features of Two Novel Species <i>Nocardia barduliensis</i> sp. nov. and <i>Nocardia gipuzkoensis</i> sp. nov., Isolated from Patients with Chronic Pulmonary Diseases. <i>Microorganisms</i> , 2020, 8, 1517.	3.6	24
38	Polyphasic classification of <i>Nonomuraea</i> strains isolated from the Karakum Desert and description of <i>Nonomuraea deserti</i> sp. nov., <i>Nonomuraea diastatica</i> sp. nov., <i>Nonomuraea longispora</i> sp. nov. and <i>Nonomuraea mesophila</i> sp. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 636-647.	1.7	24
39	Draft Genome Sequence of <i>Frankia</i> sp. Strain DC12, an Atypical, Noninfective, Ineffective Isolate from <i>Datisca cannabina</i>. <i>Genome Announcements</i> , 2015, 3, .	0.8	23
40	<i>Lentzea chajnantorensis</i> sp. nov., an actinobacterium from a very high altitude Cerro Chajnantor gravel soil in northern Chile. <i>Antonie Van Leeuwenhoek</i> , 2017, 110, 795-802.	1.7	23
41	Host Plant Compatibility Shapes the Proteogenome of <i>Frankia coriariae</i> . <i>Frontiers in Microbiology</i> , 2017, 8, 720.	3.5	23
42	<i>Streptomyces sediminis</i> sp. nov. isolated from crater lake sediment. <i>Antonie Van Leeuwenhoek</i> , 2018, 111, 493-500.	1.7	23
43	<i>Pseudonocardia nigra</i> sp. nov., isolated from Atacama Desert rock. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017, 67, 2980-2985.	1.7	23
44	<i>Pseudomonas khazarica</i> sp. nov., a polycyclic aromatic hydrocarbon-degrading bacterium isolated from Khazar Sea sediments. <i>Antonie Van Leeuwenhoek</i> , 2020, 113, 521-532.	1.7	21
45	<i>Frankia saprophytica</i> sp. nov., an atypical, non-infective ("Nod") and non-nitrogen fixing ("Fix") actinobacterium isolated from <i>Coriaria nepalensis</i> root nodules. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 1090-1095.	1.7	20
46	<i>Streptacidiphilus bronchialis</i> sp. nov., a ciprofloxacin-resistant bacterium from a human clinical specimen; reclassification of <i>Streptomyces griseoplanus</i> as <i>Streptacidiphilus griseoplanus</i> comb. nov. and emended description of the genus <i>Streptacidiphilus</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 69, 1047-1056.	1.7	20
47	<i>Modestobacter italicus</i> sp. nov., isolated from Carrara marble quarry and emended descriptions of the genus <i>Modestobacter</i> and the species <i>Modestobacter marinus</i> , <i>Modestobacter multiseptatus</i> , <i>Modestobacter roseus</i> and <i>Modestobacter versicolor</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 69, 1537-1545.	1.7	19
48	<i>Blastococcus colisei</i> sp. nov, isolated from an archaeological amphitheatre. <i>Antonie Van Leeuwenhoek</i> , 2017, 110, 339-346.	1.7	18
49	<i>Streptomyces huasconensis</i> sp. nov., an haloalkalitolerant actinobacterium isolated from a high altitude saline wetland at the Chilean Altiplano. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 69, 2315-2322.	1.7	18
50	<i>Frankia soli</i> sp. nov., an actinobacterium isolated from soil beneath <i>Ceanothus jepsonii</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 1203-1209.	1.7	18
51	Permanent draft genome sequence of <i>Frankia</i> sp. NRRL B-16219 reveals the presence of canonical nod genes, which are highly homologous to those detected in <i>Candidatus Frankia Dg1</i> genome. <i>Standards in Genomic Sciences</i> , 2017, 12, 51.	1.5	17
52	<i>Streptomyces alkaliterrae</i> sp. nov., isolated from an alkaline soil, and emended descriptions of <i>Streptomyces alkaliphilus</i> , <i>Streptomyces calidiresistens</i> and <i>Streptomyces durbertensis</i> . <i>Systematic and Applied Microbiology</i> , 2020, 43, 126153.	2.8	17
53	<i>Amycolatopsis vastitatis</i> sp. nov., an isolate from a high altitude subsurface soil on Cerro Chajnantor, northern Chile. <i>Antonie Van Leeuwenhoek</i> , 2018, 111, 1523-1533.	1.7	16
54	Polyphasic classification of the gifted natural product producer <i>Streptomyces roseifaciens</i> sp. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 69, 899-908.	1.7	16

#	ARTICLE	IF	CITATIONS
55	Micromonospora acroterricola sp. nov., a novel actinobacterium isolated from a high altitude Atacama Desert soil. International Journal of Systematic and Evolutionary Microbiology, 2019, 69, 3426-3436.	1.7	16
56	Whole Genome Sequence of Dermacoccus abyssi MT1.1 Isolated from the Challenger Deep of the Mariana Trench Reveals Phenazine Biosynthesis Locus and Environmental Adaptation Factors. Marine Drugs, 2020, 18, 131.	4.6	15
57	Alder and the Golden Fleece: high diversity of <i>Frankia</i> and ectomycorrhizal fungi revealed from <i>Alnus glutinosa</i> subsp. <i>barbata</i> roots close to a Tertiary and glacial refugium. PeerJ, 2017, 5, e3479.	2.0	15
58	High quality draft genome of Nakamurella lactea type strain, a rock actinobacterium, and emended description of Nakamurella lactea. Standards in Genomic Sciences, 2017, 12, 4.	1.5	14
59	Hunting for cultivable Micromonospora strains in soils of the Atacama Desert. Antonie Van Leeuwenhoek, 2018, 111, 1375-1387.	1.7	14
60	Blastococcus xanthinilyticus sp. nov., isolated from monument. International Journal of Systematic and Evolutionary Microbiology, 2018, 68, 1177-1183.	1.7	14
61	Mycolicibacterium stellerae sp. nov., a rapidly growing scotochromogenic strain isolated from <i>Stellera chamaejasme</i> . International Journal of Systematic and Evolutionary Microbiology, 2019, 69, 3465-3471.	1.7	14
62	Draft Genome Sequence of <i>Frankia</i> Strain G2, a Nitrogen-Fixing Actinobacterium Isolated from <i>Casuarina equisetifolia</i> and Able To Nodulate Actinorhizal Plants of the Order <i>Rhamnales</i> . Genome Announcements, 2016, 4, .	0.8	13
63	Nakamurella silvestris sp. nov., an actinobacterium isolated from alpine forest soil. International Journal of Systematic and Evolutionary Microbiology, 2016, 66, 5460-5464.	1.7	13
64	Mycobacterium eburneum sp. nov., a non-chromogenic, fast-growing strain isolated from sputum. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 3174-3181.	1.7	13
65	Genetic Diversity and Esterase-Profilng of Actinobacteria Isolated from Sahara Desert Stones and Monuments. Geomicrobiology Journal, 2012, 29, 23-28.	2.0	12
66	Actinomadura alkaliterrae sp. nov., isolated from an alkaline soil. Antonie Van Leeuwenhoek, 2017, 110, 787-794.	1.7	12
67	Formal description of <i>Mycobacterium neglectum</i> sp. nov. and <i>Mycobacterium palauense</i> sp. nov., rapidly growing actinobacteria. Antonie Van Leeuwenhoek, 2018, 111, 1209-1223.	1.7	12
68	Genome-based classification of the <i>Streptomyces violaceusniger</i> clade and description of <i>Streptomyces sabulosicollis</i> sp. nov. from an Indonesian sand dune. Antonie Van Leeuwenhoek, 2021, 114, 859-873.	1.7	12
69	Two novel species of rapidly growing mycobacteria: <i>Mycobacterium lehmannii</i> sp. nov. and <i>Mycobacterium neumannii</i> sp. nov.. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 4948-4955.	1.7	12
70	<i>Streptomyces altiplanensis</i> sp. nov., an alkali tolerant species isolated from Chilean Altiplano soil, and emended description of <i>Streptomyces chryseus</i> (Krasil'nikov et al. 1965) Pridham 1970. International Journal of Systematic and Evolutionary Microbiology, 2019, 69, 2498-2505.	1.7	12
71	Absence of Cospeciation between the Uncultured <i>Frankia</i> Microsymbionts and the Disjunct Actinorhizal <i>Coriaria</i> Species. BioMed Research International, 2014, 2014, 1-9.	1.9	11
72	Genome-based classification of <i>Micromonospora craterilacus</i> sp. nov., a novel actinobacterium isolated from Nemrut Lake. Antonie Van Leeuwenhoek, 2020, 113, 791-801.	1.7	11

#	ARTICLE	IF	CITATIONS
73	Streptomyces harenosi sp. nov., a home for a gifted strain isolated from Indonesian sand dune soil. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 4874-4882.	1.7	11
74	Nonomuraea insulae sp. nov., isolated from forest soil. Antonie Van Leeuwenhoek, 2018, 111, 2051-2059.	1.7	10
75	Biotechnological and Ecological Potential of Micromonospora provocatoris sp. nov., a Gifted Strain Isolated from the Challenger Deep of the Mariana Trench. Marine Drugs, 2021, 19, 243.	4.6	10
76	Phylogenomic Characterization of a Novel <i>Corynebacterium</i> Species Associated with Fatal Diphtheritic Stomatitis in Endangered Yellow-Eyed Penguins. MSystems, 2021, 6, e0032021.	3.8	10
77	Description of a novel species of fast growing mycobacterium: Mycobacterium kyogaense sp. nov., a scotochromogenic strain received as Mycobacterium vaccae. International Journal of Systematic and Evolutionary Microbiology, 2018, 68, 3726-3734.	1.7	10
78	Genome insights into the pharmaceutical and plant growth promoting features of the novel species Nocardia alni sp. nov. BMC Genomics, 2022, 23, 70.	2.8	10
79	First report on the occurrence of the uncultivated cluster 2 Frankia microsymbionts in soil outside the native actinorhizal host range area. Journal of Biosciences, 2013, 38, 695-698.	1.1	7
80	Actinoalloteichus fjordicus sp. nov. isolated from marine sponges: phenotypic, chemotaxonomic and genomic characterisation. Antonie Van Leeuwenhoek, 2017, 110, 1705-1717.	1.7	7
81	New genus-specific primers for PCR identification of Rubrobacter strains. Antonie Van Leeuwenhoek, 2019, 112, 1863-1874.	1.7	7
82	Ionizing-radiation-resistant Kocuria rhizophila PT10 isolated from the Tunisian Sahara xerophyte Panicum turgidum: Polyphasic characterization and proteogenomic arsenal. Genomics, 2021, 113, 317-330.	2.9	7
83	Amycolatopsis camponoti sp. nov., new tetracenomycin-producing actinomycete isolated from carpenter ant Camponotus vagus. Antonie Van Leeuwenhoek, 2022, 115, 533-544.	1.7	7
84	Jiangella anatolica sp. nov. isolated from coastal lake soil. Antonie Van Leeuwenhoek, 2019, 112, 887-895.	1.7	6
85	Permanent Improved High-Quality Draft Genome Sequence of Nocardia casuarinae Strain BMG51109, an Endophyte of Actinorhizal Root Nodules of Casuarina glauca. Genome Announcements, 2016, 4, .	0.8	5
86	Draft genome sequence of Promicromonospora panici sp. nov., a novel ionizing-radiation-resistant actinobacterium isolated from roots of the desert plant Panicum turgidum. Extremophiles, 2021, 25, 25-38.	2.3	5
87	Blastococcus tunisiensis sp. nov., isolated from limestone collected in Tunisia. International Journal of Systematic and Evolutionary Microbiology, 2022, 72, .	1.7	5
88	Permanent Draft Genome Sequences of Three <i>Frankia</i> sp. Strains That Are Atypical, Noninfective, Ineffective Isolates. Genome Announcements, 2017, 5, .	0.8	4
89	19th International Meeting on Frankia and Actinorhizal Plants. Antonie Van Leeuwenhoek, 2019, 112, 1-4.	1.7	4
90	Permanent Draft Genome Sequence of Nocardia sp. BMG111209, an Actinobacterium Isolated from Nodules of Casuarina glauca. Genome Announcements, 2016, 4, .	0.8	3

#	ARTICLE	IF	CITATIONS
91	Permanent Draft Genome Sequence for <i>Frankia</i> sp. Strain Cc1.17, a Nitrogen-Fixing Actinobacterium Isolated from Root Nodules of <i>Colletia cruciata</i> . <i>Genome Announcements</i> , 2017, 5, .	0.8	3
92	Complete Genome Sequence of <i>Streptacidiphilus</i> sp. Strain 15-057A, Obtained from Bronchial Lavage Fluid. <i>Microbiology Resource Announcements</i> , 2018, 7, .	0.6	3
93	Proteogenomics data for deciphering <i>Frankia coriariae</i> interactions with root exudates from three host plants. <i>Data in Brief</i> , 2017, 14, 73-76.	1.0	2
94	Comparative Genomic Study of Vinyl Chloride Cluster and Description of Novel Species, <i>Mycolicibacterium vinylchloridicum</i> sp. nov.. <i>Frontiers in Microbiology</i> , 2021, 12, 767895.	3.5	2
95	<i>Nocardia noduli</i> sp. nov., a novel actinobacterium with biotechnological potential. <i>Archives of Microbiology</i> , 2022, 204, 260.	2.2	2
96	Heat-killed <i>Mycolicibacterium aurum</i> Aogashima: An environmental nonpathogenic actinobacteria under development as a safe novel food ingredient. <i>Food Science and Nutrition</i> , 2021, 9, 4839-4854.	3.4	1
97	Genome-based reclassification of <i>Actinopolyspora righensis</i> Meklat et al. 2013 as a later heterotypic synonym of <i>Actinopolyspora lacussalsi</i> Guan et al. 2013 and description of <i>Actinopolyspora lacussalsi</i> subsp. <i>lacussalsi</i> subsp. nov. and <i>Actinopolyspora lacussalsi</i> subsp. <i>righensis</i> subsp. nov.. <i>Archives of Microbiology</i> , 2022, 204, .	2.2	1
98	&lt;p&gt;&lt;strong&gt;Revision of the genus &lt;em&gt;Reddellomyces&lt;/em&gt; (Tuberaceae): a combination of molecular and morphological analysis provides insights into species diversity&lt;/strong&gt;&lt;/p&gt;&lt;p&gt;&lt;strong&gt;&lt;br /&gt;&lt;/strong&gt;&lt;/p&gt;. <i>Phytotaxa</i> , 2020, 439, 186-198.	0.3	0