

Jan Willem Erisman

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192
papers

21,718
citations

58
h-index

146
g-index

198
ext. papers

24,948
ext. citations

7.1
avg. IF

6.53
L-index

#	Paper	IF	Citations
192	Transformation of the nitrogen cycle: recent trends, questions, and potential solutions. <i>Science</i> , 2008 , 320, 889-92	33.3	4030
191	How a century of ammonia synthesis changed the world. <i>Nature Geoscience</i> , 2008 , 1, 636-639	18.3	1967
190	The Nitrogen Cascade. <i>BioScience</i> , 2003 , 53, 341	5.7	1856
189	Global assessment of nitrogen deposition effects on terrestrial plant diversity: a synthesis 2010 , 20, 30-59		1624
188	Enhanced nitrogen deposition over China. <i>Nature</i> , 2013 , 494, 459-62	50.4	1512
187	Too much of a good thing. <i>Nature</i> , 2011 , 472, 159-61	50.4	583
186	Atmospheric composition change: Ecosystems-Atmosphere interactions. <i>Atmospheric Environment</i> , 2009 , 43, 5193-5267	5.3	506
185	Consequences of human modification of the global nitrogen cycle. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013 , 368, 20130116	5.8	456
184	Reduced nitrogen in ecology and the environment. <i>Environmental Pollution</i> , 2007 , 150, 140-9	9.3	336
183	A nitrogen footprint model to help consumers understand their role in nitrogen losses to the environment. <i>Environmental Development</i> , 2012 , 1, 40-66	4.1	294
182	Parametrization of surface resistance for the quantification of atmospheric deposition of acidifying pollutants and ozone. <i>Atmospheric Environment</i> , 1994 , 28, 2595-2607	5.3	285
181	Atmospheric nitrogen compounds II: emissions, transport, transformation, deposition and assessment. <i>Atmospheric Environment</i> , 2001 , 35, 1903-1911	5.3	234
180	Ammonia in the environment: from ancient times to the present. <i>Environmental Pollution</i> , 2008 , 156, 583-604	9.3	222
179	Dry deposition of reactive nitrogen to European ecosystems: a comparison of inferential models across the NitroEurope network. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 2703-2728	6.8	205
178	Challenges in quantifying biosphere-atmosphere exchange of nitrogen species. <i>Environmental Pollution</i> , 2007 , 150, 125-39	9.3	186
177	Down to Earth: Contextualizing the Anthropocene. <i>Global Environmental Change</i> , 2016 , 39, 341-350	10.1	182
176	Reactive nitrogen in the environment and its effect on climate change. <i>Current Opinion in Environmental Sustainability</i> , 2011 , 3, 281-290	7.2	167

175	Effects of agriculture upon the air quality and climate: research, policy, and regulations. <i>Environmental Science & Technology</i> , 2009 , 43, 4234-40	10.3	164
174	The need for ammonia abatement with respect to secondary PM reductions in Europe. <i>Environmental Pollution</i> , 2004 , 129, 159-63	9.3	164
173	Nitrogen footprints: past, present and future. <i>Environmental Research Letters</i> , 2014 , 9, 115003	6.2	161
172	Variability of particulate matter concentrations along roads and motorways determined by a moving measurement unit. <i>Atmospheric Environment</i> , 2004 , 38, 2993-3002	5.3	154
171	Global distributions, time series and error characterization of atmospheric ammonia (NH ₃) from IASI satellite observations. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 2905-2922	6.8	152
170	Instrument development and application in studies and monitoring of ambient ammonia. <i>Atmospheric Environment</i> , 2001 , 35, 1913-1922	5.3	151
169	A chronology of human understanding of the nitrogen cycle. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2013 , 368, 20130120	5.8	147
168	Field measurements of the dissociation of ammonium nitrate and ammonium chloride aerosols. <i>Atmospheric Environment</i> , 1989 , 23, 1591-1599		141
167	PM pollution is substantially affected by ammonia emissions in China. <i>Environmental Pollution</i> , 2016 , 218, 86-94	9.3	131
166	Continuous measurements of surface exchange of SO ₂ and NH ₃ ; Implications for their possible interaction in the deposition process. <i>Atmospheric Environment Part A General Topics</i> , 1993 , 27, 1937-1949		127
165	Effects of global change during the 21st century on the nitrogen cycle. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 13849-13893	6.8	112
164	Intensive monitoring of forest ecosystems in Europe. <i>Forest Ecology and Management</i> , 2003 , 174, 77-95	3.9	112
163	Evaluation of ammonia emission abatement on the basis of measurements and model calculations. <i>Environmental Pollution</i> , 1998 , 102, 269-274	9.3	110
162	Agricultural air quality in Europe and the future perspectives. <i>Atmospheric Environment</i> , 2008 , 42, 3209-3217	5.3	104
161	Vertical distribution of gases and aerosols: The behaviour of ammonia and related components in the lower atmosphere. <i>Atmospheric Environment</i> , 1988 , 22, 1153-1160		104
160	Environmental impact food labels combining carbon, nitrogen, and water footprints. <i>Food Policy</i> , 2016 , 61, 213-223	5	102
159	The contribution of nitrogen deposition to the photosynthetic capacity of forests. <i>Global Biogeochemical Cycles</i> , 2013 , 27, 187-199	5.9	101
158	The European perspective on nitrogen emission and deposition. <i>Environment International</i> , 2003 , 29, 311-25	12.9	100

157	Ammonia exchange over coniferous forest. <i>Atmospheric Environment</i> , 1998 , 32, 441-451	5.3	97
156	A canopy budget model to assess atmospheric deposition from throughfall measurements. <i>Water, Air, and Soil Pollution</i> , 1995 , 85, 2253-2258	2.6	96
155	Nitrogen and biofuels; an overview of the current state of knowledge. <i>Nutrient Cycling in Agroecosystems</i> , 2010 , 86, 211-223	3.3	93
154	Biosphere-atmosphere exchange of reactive nitrogen and greenhouse gases at the NitroEurope core flux measurement sites: Measurement strategy and first data sets. <i>Agriculture, Ecosystems and Environment</i> , 2009 , 133, 139-149	5.7	92
153	Deposition to forests in Europe: most important factors influencing dry deposition and models used for generalisation. <i>Environmental Pollution</i> , 2003 , 124, 379-88	9.3	89
152	The application of throughfall measurements for atmospheric deposition monitoring. <i>Atmospheric Environment</i> , 1996 , 30, 3349-3361	5.3	79
151	Long Term Trends in Sulphur and Nitrogen Deposition in Europe and the Cause of Non-linearities. <i>Water, Air and Soil Pollution</i> , 2007 , 7, 41-47		78
150	Summary statement. <i>Environmental Pollution</i> , 1998 , 102, 3-12	9.3	77
149	Particle deposition to forests—Summary of results and application. <i>Atmospheric Environment</i> , 1997 , 31, 321-332	5.3	74
148	Element fluxes through European forest ecosystems and their relationships with stand and site characteristics. <i>Environmental Pollution</i> , 2007 , 148, 501-13	9.3	74
147	The impact of canopy exchange on differences observed between atmospheric deposition and throughfall fluxes. <i>Atmospheric Environment</i> , 1997 , 31, 387-397	5.3	72
146	Effects of Environmental Stress on Forest Crown Condition in Europe. Part IV: Statistical Analysis of Relationships. <i>Water, Air, and Soil Pollution</i> , 2000 , 119, 387-420	2.6	72
145	Nitrogen footprints: Regional realities and options to reduce nitrogen loss to the environment. <i>Ambio</i> , 2017 , 46, 129-142	6.5	70
144	N deposition as a threat to the World's protected areas under the Convention on Biological Diversity. <i>Environmental Pollution</i> , 2011 , 159, 2280-8	9.3	69
143	Biosphere-atmosphere interactions of ammonia with grasslands: Experimental strategy and results from a new European initiative. <i>Plant and Soil</i> , 2001 , 228, 131-145	4.2	69
142	Towards validation of ammonia (NH ₃) measurements from the IASI satellite. <i>Atmospheric Measurement Techniques</i> , 2015 , 8, 1575-1591	4	67
141	Nitrogen processes in terrestrial ecosystems 2009 , 99-125		67
140	Governing processes for reactive nitrogen compounds in the European atmosphere. <i>Biogeosciences</i> , 2012 , 9, 4921-4954	4.6	62

139	Organic Agriculture 3.0 is innovation with research. <i>Organic Agriculture</i> , 2017 , 7, 169-197	1.7	61
138	A world of co-benefits: Solving the global nitrogen challenge. <i>Earth's Future</i> , 2019 , 7, 1-8	7.9	61
137	Air quality improvement in a megacity: implications from 2015 Beijing Parade Blue pollution control actions. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 31-46	6.8	61
136	Practical considerations for addressing uncertainties in monitoring bulk deposition. <i>Environmental Pollution</i> , 2005 , 134, 535-48	9.3	61
135	Reactive nitrogen emissions from crop and livestock farming in India. <i>Atmospheric Environment</i> , 2012 , 47, 92-103	5.3	58
134	Nitrogen as a threat to European terrestrial biodiversity 463-494		58
133	Nitrogen as a threat to European water quality 379-404		57
132	Agriculture and biodiversity: a better balance benefits both. <i>AIMS Agriculture and Food</i> , 2016 , 1, 157-174	1.2	56
131	Evaluating 4 years of atmospheric ammonia (NH ₃) over Europe using IASI satellite observations and LOTOS-EUROS model results. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 9549-9566	4.4	55
130	Modelling the dynamic chemical interactions of atmospheric ammonia with leaf surface wetness in a managed grassland canopy. <i>Biogeosciences</i> , 2009 , 6, 67-84	4.6	55
129	Monitoring and modelling of biosphere/atmosphere exchange of gases and aerosols in Europe. <i>Environmental Pollution</i> , 2005 , 133, 403-13	9.3	55
128	Potential of extensification of European agriculture for a more sustainable food system, focusing on nitrogen. <i>Environmental Research Letters</i> , 2015 , 10, 025002	6.2	54
127	Integrating nitrogen fluxes at the European scale 345-376		54
126	Advances in micrometeorological methods for the measurement and interpretation of gas and particle nitrogen fluxes. <i>Plant and Soil</i> , 2001 , 228, 117-129	4.2	54
125	Effects of environmental stress on forest crown condition in Europe. Part I: Hypotheses and approach to the study. <i>Water, Air, and Soil Pollution</i> , 2000 , 119, 317-333	2.6	54
124	Nitrogen emissions along global livestock supply chains. <i>Nature Food</i> , 2020 , 1, 437-446	14.4	51
123	Establishing the link between ammonia emission control and measurements of reduced nitrogen concentrations and deposition. <i>Environmental Monitoring and Assessment</i> , 2003 , 82, 149-85	3.1	50
122	The Elspeetsche Veld experiment on surface exchange of trace gases: Summary of results. <i>Atmospheric Environment</i> , 1994 , 28, 487-496	5.3	48

121	Worldwide spatiotemporal atmospheric ammonia (NH ₃) columns variability revealed by satellite. <i>Geophysical Research Letters</i> , 2015 , 42, 8660-8668	4.9	47
120	Dynamics of ammonia exchange with cut grassland: synthesis of results and conclusions of the GRAMINAE Integrated Experiment. <i>Biogeosciences</i> , 2009 , 6, 2907-2934	4.6	47
119	Dynamics of ammonia exchange with cut grassland: strategy and implementation of the GRAMINAE Integrated Experiment. <i>Biogeosciences</i> , 2009 , 6, 309-331	4.6	47
118	Fog deposition on a coniferous forest in The Netherlands. <i>Atmospheric Environment</i> , 1997 , 31, 375-386	5.3	46
117	NH ₃ emissions from large point sources derived from CrIS and IASI satellite observations. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 12261-12293	6.8	46
116	An Integrated Approach to a Nitrogen Use Efficiency (NUE) Indicator for the Food Production-Consumption Chain. <i>Sustainability</i> , 2018 , 10, 925	3.6	45
115	Evaluation of a surface resistance parametrization of sulphur dioxide. <i>Atmospheric Environment</i> , 1994 , 28, 2583-2594	5.3	44
114	Acid deposition to nature areas in the Netherlands: Part I. Methods and results. <i>Water, Air, and Soil Pollution</i> , 1993 , 71, 51-80	2.6	44
113	Nitrogen as a threat to the European greenhouse balance		43
112	Deposition of the most acidifying components in The Netherlands during the period 1980-1986. <i>Atmospheric Environment</i> , 1989 , 23, 1051-1062		43
111	Wet deposition of ammonium in Europe. <i>Journal of Atmospheric Chemistry</i> , 1988 , 6, 265-280	3.2	42
110	Aerosol fluxes and particle growth above managed grassland. <i>Biogeosciences</i> , 2009 , 6, 1627-1645	4.6	41
109	An evaluation of IASI-NH ₃ with ground-based Fourier transform infrared spectroscopy measurements. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 10351-10368	6.8	40
108	Chinese coastal seas are facing heavy atmospheric nitrogen deposition. <i>Environmental Research Letters</i> , 2014 , 9, 095007	6.2	40
107	The European nitrogen problem in a global perspective		39
106	Field intercomparison of precipitation measurements performed within the framework of the Pan European Intensive Monitoring Program of EU/ICP Forest. <i>Environmental Pollution</i> , 2003 , 125, 139-55	9.3	37
105	Deposition Monitoring in Europe. <i>Environmental Monitoring and Assessment</i> , 1998 , 53, 279-295	3.1	36
104	International Geosphere-Biosphere Programme and Earth system science: Three decades of co-evolution. <i>Anthropocene</i> , 2015 , 12, 3-16	3.9	35

103	Costs and benefits of nitrogen in the environment513-540		35
102	Atmospheric sulphur deposition to forest stands: Throughfall estimates compared to estimates from inference. <i>Atmospheric Environment Part A General Topics</i> , 1993 , 27, 43-55		35
101	Mapping wet deposition of acidifying components and base cations over Europe using measurements. <i>Atmospheric Environment</i> , 1996 , 30, 2495-2511	5.3	34
100	. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 1994 , 46, 79-93	3.3	34
99	Promoting nature conservation by Dutch farmers: a governance perspective□□Affiliation where the research was conducted: Wageningen University and Research, The Netherlands.View all notes. <i>International Journal of Agricultural Sustainability</i> , 2017 , 15, 264-281	2.2	33
98	Gradients of the ammonia concentration in a nature reserve: Model results and measurements. <i>Atmospheric Environment</i> , 1989 , 23, 2259-2265		33
97	Nitrogen processes in aquatic ecosystems126-146		32
96	Inter-comparison of ammonia fluxes obtained using the Relaxed Eddy Accumulation technique. <i>Biogeosciences</i> , 2009 , 6, 2575-2588	4.6	32
95	Nitrogen processes in the atmosphere177-208		31
94	Validation of the CrIS fast physical NH ₃ retrieval with ground-based FTIR. <i>Atmospheric Measurement Techniques</i> , 2017 , 10, 2645-2667	4	30
93	Optimizing air quality management in Europe and North America: Justification for integrated management of both oxidized and reduced forms of nitrogen. <i>Environmental Pollution</i> , 1998 , 102, 599-608		30
92	Cleaning up nitrogen pollution may reduce future carbon sinks. <i>Global Environmental Change</i> , 2018 , 48, 56-66	10.1	29
91	Monitoring the dry deposition of SO ₂ in the Netherlands: Results for grassland and heather vegetation. <i>Atmospheric Environment Part A General Topics</i> , 1993 , 27, 1153-1161		29
90	The Nanjing Declaration on Management of Reactive Nitrogen. <i>BioScience</i> , 2004 , 54, 286	5.7	28
89	Field intercomparison of throughfall measurements performed within the framework of the Pan European intensive monitoring program of EU/ICP Forest. <i>Environmental Pollution</i> , 2003 , 125, 123-38	9.3	28
88	Base-cation deposition in Europe—part II. Acid neutralization capacity and contribution to forest nutrition. <i>Atmospheric Environment</i> , 1997 , 31, 4159-4168	5.3	27
87	Advection of NH ₃ over a pasture field and its effect on gradient flux measurements. <i>Biogeosciences</i> , 2009 , 6, 1295-1309	4.6	27
86	Overview and assessment of techniques to measure ammonia emissions from animal houses: the case of the Netherlands. <i>Environmental Pollution</i> , 2005 , 135, 381-8	9.3	27

85	Deposition monitoring networks: what monitoring is required to give reasonable estimates of ammonia/ammonium?. <i>Environmental Pollution</i> , 2005 , 135, 419-31	9.3	27
84	Global change: Put people at the centre of global risk management. <i>Nature</i> , 2015 , 519, 151-3	50.4	26
83	Benefits of nitrogen for food, fibre and industrial production ³²⁻⁶¹		26
82	Acid deposition onto nature areas in the Netherlands; Part II. Throughfall measurements compared to deposition estimates. <i>Water, Air, and Soil Pollution</i> , 1993 , 71, 81-99	2.6	26
81	Estimating environmentally relevant fixed nitrogen demand in the 21st century. <i>Climatic Change</i> , 2013 , 120, 889-901	4.5	25
80	Retrieval of ammonia from ground-based FTIR solar spectra. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 12789-12803	6.8	25
79	High resolution modelling of atmosphere-canopy exchange of acidifying and eutrophying components and carbon dioxide for European forests. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2007 , 59, 412-424	3.3	24
78	An outlook for a national integrated nitrogen policy. <i>Environmental Science and Policy</i> , 2001 , 4, 87-95	6.2	24
77	Measuring atmospheric ammonia with remote sensing campaign: Part 1 [Characterisation of vertical ammonia concentration profile in the centre of The Netherlands. <i>Atmospheric Environment</i> , 2017 , 169, 97-112	5.3	23
76	Base cation deposition in europe ^{part I. Model description, results and uncertainties. <i>Atmospheric Environment</i>, 1997, 31, 4139-4157}	5.3	23
75	Nonlinearities in Source Receptor Relationships for Sulfur and Nitrogen Compounds. <i>Ambio</i> , 2005 , 34, 41-46	6.5	23
74	Linking Ammonia Emission Trends to Measured Concentrations and Deposition of Reduced Nitrogen at Different Scales 2009 , 123-180		23
73	Nitrogen use and food production in European regions from a global perspective. <i>Journal of Agricultural Science</i> , 2014 , 152, 9-19	1	22
72	A carbon cycle science update since IPCC AR-4. <i>Ambio</i> , 2010 , 39, 402-12	6.5	22
71	Effects of Environmental Stress on Forest Crown Condition in Europe. Part III: Estimation of Critical Deposition and Concentration Levels and Their Exceedances. <i>Water, Air, and Soil Pollution</i> , 2000 , 119, 363-386	2.6	22
70	Nitrogen: the historical progression from ignorance to knowledge, with a view to future solutions. <i>Soil Research</i> , 2017 , 55, 417	1.8	21
69	The challenge to integrate nitrogen science and policies: the European Nitrogen Assessment approach ⁸²⁻⁹⁶		21
68	Atmospheric deposition of ammonia to semi-natural vegetation in the Netherlands ^{Methods for mapping and evaluation. <i>Atmospheric Environment</i>, 1998, 32, 481-489}	5.3	21

67	Consequences of new scientific findings for future abatement of ammonia emissions. <i>Environmental Pollution</i> , 1998 , 102, 275-282	9.3	21
66	Low historical nitrogen deposition effect on carbon sequestration in the boreal zone. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2015 , 120, 2542-2561	3.7	20
65	Atmospheric transport and deposition of reactive nitrogen in Europe 298-316		19
64	. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 1994 , 46, 159-171	3.3	19
63	The Dutch N-cascade in the European perspective. <i>Science in China Series C: Life Sciences</i> , 2005 , 48 Suppl 2, 827-42		16
62	Summary for policy makers xxxiv-xxxiv		15
61	Estimation of NH ₃ emissions from a naturally ventilated livestock farm using local-scale atmospheric dispersion modelling. <i>Biogeosciences</i> , 2009 , 6, 2847-2860	4.6	15
60	Effects of environmental stress on forest crown condition in Europe. Part II: Estimation of stress induced by meteorology and air pollutants. <i>Water, Air, and Soil Pollution</i> , 2000 , 119, 335-362	2.6	15
59	Nitrogen Deposition Maintains a Positive Effect on Terrestrial Carbon Sequestration in the 21st Century Despite Growing Phosphorus Limitation at Regional Scales. <i>Global Biogeochemical Cycles</i> , 2019 , 33, 810-824	5.9	14
58	Land use mediates riverine nitrogen export under the dominant influence of human activities. <i>Environmental Research Letters</i> , 2017 , 12, 094018	6.2	14
57	Preface "Nitrogen & Global Change". <i>Biogeosciences</i> , 2012 , 9, 1691-1693	4.6	13
56	Global, regional and national trends of atmospheric ammonia derived from a decadal (2008-2018) satellite record. <i>Environmental Research Letters</i> , 2021 , 16, 055017	6.2	13
55	Assessing our nitrogen inheritance 1-6		12
54	A micrometeorological investigation of surface exchange parameters over heathland. <i>Boundary-Layer Meteorology</i> , 1991 , 57, 115-128	3.4	12
53	Modelling dry deposition of SO ₂ . <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 1994 , 46, 159-171	3.3	12
52	Can the presence of plantain (<i>Plantago lanceolata</i> L.) improve nitrogen cycling of dairy grassland systems on peat soils?. <i>New Zealand Journal of Agricultural Research</i> , 2020 , 63, 106-122	1.9	12
51	Assessment of the Exposure and Loads of Acidifying and Eutrophying Pollutants and Ozone, as well as their Harmful Influence on the Vitality of the Trees and the Speulder Forest Ecosystem as a Whole. <i>Water, Air, and Soil Pollution</i> , 1998 , 105, 539-571	2.6	11
50	Spatial planning as a tool for decreasing nitrogen loads in nature areas. <i>Environmental Pollution</i> , 1998 , 102, 649-655	9.3	11

49	Mapping base cation deposition in Europe on a 10 × 10 km grid. <i>Water, Air, and Soil Pollution</i> , 1995 , 85, 2389-2394	2.6	11
48	The nitrogen footprint of organic food in the United States. <i>Environmental Research Letters</i> , 2020 , 15, 045004	6.2	10
47	Nitrogen flows and fate in rural landscapes229-248		10
46	Technical note: How are NH ₃ dry deposition estimates affected by combining the LOTOS-EUROS model with IASI-NH ₃ satellite observations?. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 13173-13196	6.8	10
45	Long Term Trends in Sulphur and Nitrogen Deposition in Europe and the Cause of Non-linearities 2007 , 41-47		10
44	Non-stomatal exchange in ammonia dry deposition models: comparison of two state-of-the-art approaches. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 13417-13430	6.8	9
43	Nitrogen as a threat to European soil quality495-510		9
42	Long-term Continuous Measurements of SO ₂ Dry Deposition over the Speulder Forest. <i>Water, Air, and Soil Pollution</i> , 1999 , 109, 237-262	2.6	9
41	Future scenarios of nitrogen in Europe551-569		8
40	Two options to explain the ammonia gap in The Netherlands. <i>Environmental Science and Policy</i> , 2001 , 4, 97-105	6.2	8
39	NitroGenius: a nitrogen decision support system. A game to develop the optimal policy to solve the Dutch nitrogen pollution problem. <i>Ambio</i> , 2002 , 31, 190-6	6.5	8
38	EDACS: European deposition maps of acidifying components on a small scale. <i>Studies in Environmental Science</i> , 1995 , 64, 197-210		8
37	Effects of decreased atmospheric deposition on the sulfur budgets of two Dutch moorland pools. <i>Biogeochemistry</i> , 1993 , 23, 119-144	3.8	8
36	Nitrogen flows and fate in urban landscapes249-270		7
35	The aerosol project: Introduction and some background information. <i>Atmospheric Environment</i> , 1997 , 31, 315-319	5.3	7
34	The Human Creation and Use of Reactive Nitrogen: A Global and Regional Perspective. <i>Annual Review of Environment and Resources</i> , 2021 , 46,	17.2	7
33	Developing integrated approaches to nitrogen management541-550		6
32	A generalised description of the deposition of acidifying pollutants on a small scale in Europe. <i>Water, Air, and Soil Pollution</i> , 1995 , 85, 2101-2106	2.6	6

31	Nitrogen Deposition Effects on Ecosystem Services and Interactions with other Pollutants and Climate Change 2014 , 493-505		5
30	Assessment of nitrogen ceilings for Dutch agricultural soils to avoid adverse environmental impacts. <i>Scientific World Journal, The</i> , 2001 , 1 Suppl 2, 898-907	2.2	5
29	How ammonia feeds and pollutes the world. <i>Science</i> , 2021 , 374, 685-686	33.3	5
28	Impacts of Nitrogen Deposition on Ecosystem Services in Interaction with Other Nutrients, Air Pollutants and Climate Change 2014 , 387-396		5
27	Nitrogen emission and deposition: the European perspective. <i>Scientific World Journal, The</i> , 2001 , 1, 879-962		3
26	The compilation of measurement based European wet deposition maps of acidifying components and base cations. <i>Water, Air, and Soil Pollution</i> , 1995 , 85, 2173-2178	2.6	3
25	Towards a coupled paradigm of NH ₃ -CO ₂ biosphere-atmosphere exchange modelling. <i>Global Change Biology</i> , 2020 , 26, 4654-4663	11.4	3
24	Innovative, sustainable, and circular agricultural systems for the future. <i>Organic Agriculture</i> , 2021 , 11, 179-185	1.7	3
23	Nitrogen deposition shows no consistent negative nor positive effect on the response of forest productivity to drought across European FLUXNET forest sites.. <i>Environmental Research Communications</i> ,	3.1	3
22	Detecting Change in Atmospheric Ammonia Following Emission Changes 2009 , 383-390		3
21	Particle deposition to forests. <i>Studies in Environmental Science</i> , 1995 , 64, 115-126		2
20	Ammonia exchange at the tree-atmosphere interface. <i>Tree Physiology</i> , 2002 , 159-173		2
19	Assessment of Dry Deposition and Total Acidifying Loads in Europe 1997 , 93-116		2
18	Nitrogen Deposition as a Threat to the World's Protected Areas Under the Convention on Biological Diversity (CBD) 2014 , 295-303		2
17	Decreasing reactive nitrogen losses in organic agricultural systems. <i>Organic Agriculture</i> , 2021 , 11, 217-228	3.7	2
16	Nature-based agriculture for an adequate human microbiome. <i>Organic Agriculture</i> , 2021 , 11, 225-230	1.7	2
15	Setting ambitious goals for agriculture to meet environmental targets. <i>One Earth</i> , 2021 , 4, 15-18	8.1	2
14	The Dutch N-cascade in the european perspective. <i>Science in China Series C: Life Sciences</i> , 2005 , 48 Spec No, 827-42		2

13	NH ₃ ; emissions from large point sources derived from CrIS and IASI satellite observations 2019 ,		1
12	An evaluation of IASI-NH ₃ with ground-based FTIR measurements 2016 ,		1
11	Workshop on Nitrogen Deposition, Critical Loads and Biodiversity: Scientific Synthesis and Summary for Policy Makers 2014 , 507-526		1
10	Acid Deposition and Energy Use 2004 , 1-15		1
9	Potential of Extensification of European and Dutch Agriculture for a More Sustainable Food System Focusing on Nitrogen and Livestock 2020 , 83-98		1
8	Data assimilation of CrIS NH ₃ satellite observations for improving spatiotemporal NH ₃ distributions in LOTOS-EUROS. <i>Atmospheric Chemistry and Physics</i> , 2022 , 22, 951-972	6.8	o
7	Satellite-derived leaf area index and roughness length information for surface-atmosphere exchange modelling: a case study for reactive nitrogen deposition in north-western Europe using LOTOS-EUROS v2.0. <i>Geoscientific Model Development</i> , 2020 , 13, 2451-2474	6.3	o
6	Two N-visualisation tools: game versus reality. <i>Journal of Integrative Environmental Sciences</i> , 2010 , 7, 289-299	3	
5	The New Global Nitrogen Cycle 2011 , 3-15		
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