














2012-2019 20 AREAS - AR - 05 Dicembre 2021

2012 to 2019  

Agricultural and Biological Sciences AR


Year range: 2012 to 2019 · Data source: Scopus, up to 24 Nov 2021 ·

Entity		2012	2013	2014	2015	2016	2017
 Agricultural and Biological Sciences (miscellaneous)		15.3	12.2	12.1	14.1	12.4	9.6
 Agronomy and Crop Science		18.4	17.6	15.3	14.5	12.3	10.1
 Animal Science and Zoology		14.5	13.8	12.5	10.9	9.2	7.7
 Aquatic Science		22.2	19.5	18.0	16.3	13.9	11.1
 Ecology, Evolution, Behavior and Systematics		25.8	23.8	20.2	17.4	14.6	11.3
 Food Science		24.3	21.1	19.8	19.0	16.9	14.0
 Forestry		22.8	18.5	17.4	16.0	13.3	10.8
 General Agricultural and Biological Sciences		28.2	25.6	21.3	18.0	14.8	11.9
 Horticulture		14.0	12.5	11.4	11.0	9.8	7.8
 Insect Science		19.1	17.8	15.7	14.0	11.1	9.2
 Plant Science		24.5	22.3	19.7	17.7	14.7	12.0
 Soil Science		26.7	22.8	21.4	19.6	16.1	13.4

Agricultural and Biological Sciences AR

Year range: 2012 to 2019 · Data source: Scopus, up to 24 Nov 2021 ·

Entity	↑	2018	2019	Overall
🗄️ Agricultural and Biological Sciences (miscellaneous)		6.9	4.7	10.4
🗄️ Agronomy and Crop Science		8.4	5.8	12.4
🗄️ Animal Science and Zoology		6.1	4.2	9.7
🗄️ Aquatic Science		8.7	6.3	13.9
🗄️ Ecology, Evolution, Behavior and Systematics		8.8	5.8	15.5
🗄️ Food Science		12.2	8.9	16.4
🗄️ Forestry		8.9	6.3	13.8
🗄️ General Agricultural and Biological Sciences		8.8	5.8	17.1
🗄️ Horticulture		6.9	5.0	9.6
🗄️ Insect Science		7.3	5.0	12.3
🗄️ Plant Science		9.2	6.3	15.1
🗄️ Soil Science		10.4	7.2	16.5

Metric 1: Citations per Publication 

Types of publications included: Articles and reviews. Self-citations included: yes.

Authorship type:

Metric 2: Publication Year

Arts and Humanities AR


Year range: 2012 to 2019 · Data source: Scopus, up to 24 Nov 2021 ·

Entity	↑	2012	2013	2014	2015	2016	2017
Archeology (arts and humanities)		11.9	13.1	9.3	7.9	6.4	5.2
Arts and Humanities (miscellaneous)		23.1	20.1	17.7	14.8	13.7	10.7
Classics		2.0	1.9	1.5	1.3	1.0	0.8
Conservation		5.3	5.1	4.9	5.1	3.8	3.9
General Arts and Humanities		3.2	2.8	2.4	2.6	2.1	1.9
History		4.5	3.8	3.2	2.9	2.4	1.8
History and Philosophy of Science		18.0	13.5	12.6	11.4	8.3	7.9
Language and Linguistics		9.8	9.1	7.8	6.7	5.2	4.5
Literature and Literary Theory		2.0	1.6	1.3	1.2	1.0	0.8
Museology		4.8	4.2	4.0	3.5	2.9	2.1
Music		4.7	4.0	3.4	3.3	2.8	2.0
Philosophy		5.8	5.3	4.7	4.1	3.3	2.8
Religious Studies		3.0	2.5	2.1	2.0	1.7	1.4
Visual Arts and Performing Arts		2.9	2.0	2.1	1.9	1.6	1.2

Arts and Humanities AR

Year range: 2012 to 2019 · Data source: Scopus, up to 24 Nov 2021 ·

Entity	↑	2018	2019	Overall
Archeology (arts and humanities)		3.8	2.6	7.0
Arts and Humanities (miscellaneous)		7.8	4.7	13.7
Classics		0.6	0.4	1.2
Conservation		2.9	2.1	3.9
General Arts and Humanities		1.5	1.2	2.2
History		1.4	0.9	2.5
History and Philosophy of Science		5.1	3.3	9.7
Language and Linguistics		3.3	2.2	5.8
Literature and Literary Theory		0.6	0.4	1.1
Museology		1.7	1.1	2.8
Music		1.5	1.1	2.8
Philosophy		2.1	1.4	3.5
Religious Studies		1.1	0.8	1.8
Visual Arts and Performing Arts		0.9	0.6	1.6

Metric 1: Citations per Publication 

Types of publications included: Articles and reviews. Self-citations included: yes.

Authorship type:

Metric 2: Publication Year

Biochemistry, Genetics and Molecular Biology AR

Year range: 2012 to 2019 · Data source: Scopus, up to 24 Nov 2021 ·

Entity	↑	2012	2013	2014	2015	2016
📦 Aging		35.7	36.5	33.5	28.6	25.2
📦 Biochemistry		35.5	31.3	28.4	24.2	21.2
📦 Biochemistry, Genetics and Molecular Biology (miscellaneous)		21.2	26.0	21.3	29.2	23.7
📦 Biophysics		29.6	26.4	24.5	20.5	18.0
📦 Biotechnology		31.3	27.8	24.2	23.2	20.7
📦 Cancer Research		37.6	34.2	29.5	26.5	22.3
📦 Cell Biology		43.1	39.2	36.0	29.9	26.7
📦 Clinical Biochemistry		24.9	22.4	19.2	17.0	13.6
📦 Developmental Biology		37.7	33.1	30.3	25.9	20.7
📦 Endocrinology		31.3	28.4	26.9	22.9	20.1
📦 General Biochemistry, Genetics and Molecular Biology		37.4	32.8	29.4	27.2	22.8
📦 Genetics		37.2	33.3	28.5	24.1	21.4
📦 Molecular Biology		37.5	34.3	30.0	25.1	22.2
📦 Molecular Medicine		33.7	32.0	28.8	24.4	21.4
📦 Physiology		34.6	31.7	28.0	24.6	21.0
📦 Structural Biology		30.9	28.5	23.2	24.6	20.2

Biochemistry, Genetics and Molecular Biology AR

Year range: 2012 to 2019 · Data source: Scopus, up to 24 Nov 2021 ·

Entity	↑	2017	2018	2019	Overall
📄 Aging		21.2	15.2	11.4	24.5
📄 Biochemistry		18.6	14.6	10.2	22.7
📄 Biochemistry, Genetics and Molecular Biology (miscellaneous)		25.4	20.0	13.5	21.1
📄 Biophysics		15.8	12.1	8.5	19.2
📄 Biotechnology		18.2	13.0	10.6	20.6
📄 Cancer Research		20.4	15.6	12.0	24.2
📄 Cell Biology		22.6	17.6	11.9	28.1
📄 Clinical Biochemistry		12.6	10.7	8.5	16.0
📄 Developmental Biology		17.7	13.6	9.2	23.4
📄 Endocrinology		16.6	13.1	8.7	21.1
📄 General Biochemistry, Genetics and Molecular Biology		20.2	17.0	11.9	24.9
📄 Genetics		18.3	14.3	9.8	23.2
📄 Molecular Biology		19.7	15.9	10.7	24.2
📄 Molecular Medicine		17.8	14.8	10.7	22.2
📄 Physiology		17.6	13.8	9.6	22.1
📄 Structural Biology		18.0	15.5	11.5	21.1

Metric 1: Citations per Publication 

Types of publications included: Articles and reviews. Self-citations included: yes.

Authorship type:

Metric 2: Publication Year

Business, Management and Accounting AR


Year range: 2012 to 2019 · Data source: Scopus, up to 24 Nov 2021 ·

Entity	↑	2012	2013	2014	2015	2016
Accounting		27.9	23.4	19.5	18.1	13.9
Business and International Management		21.2	18.5	17.5	14.7	12.3
Business, Management and Accounting (miscellaneous)		13.9	12.4	11.8	10.1	9.9
General Business, Management and Accounting		13.9	12.5	11.3	9.9	8.0
Industrial Relations		13.5	13.1	12.1	11.6	12.7
Management Information Systems		27.5	29.1	23.0	23.1	20.0
Management of Technology and Innovation		28.3	24.6	22.4	17.9	14.6
Marketing		27.5	24.7	21.5	21.2	19.0
Organizational Behavior and Human Resource Management		21.9	20.3	19.0	16.7	13.7
Strategy and Management		26.1	25.5	23.0	20.7	18.4
Tourism, Leisure and Hospitality Management		31.4	28.3	25.1	24.2	19.5

Business, Management and Accounting AR

Year range: 2012 to 2019 · Data source: Scopus, up to 24 Nov 2021 ·

Entity	↑	2017	2018	2019	Overall
Accounting		11.6	7.5	5.2	14.9
Business and International Management		10.4	8.5	6.5	13.0
Business, Management and Accounting (miscellaneous)		8.6	6.6	5.4	9.5
General Business, Management and Accounting		6.9	6.2	5.6	9.2
Industrial Relations		9.6	6.8	4.7	10.4
Management Information Systems		15.0	11.6	7.4	18.2
Management of Technology and Innovation		10.6	8.3	3.7	12.9
Marketing		16.0	10.8	9.2	18.1
Organizational Behavior and Human Resource Management		11.8	8.4	5.6	14.4
Strategy and Management		16.7	14.0	10.0	18.2
Tourism, Leisure and Hospitality Management		16.2	13.0	9.1	19.0

Metric 1: Citations per Publication 

Types of publications included: Articles and reviews. Self-citations included: yes.

Authorship type:

Metric 2: Publication Year

Chemical Engineering AR

Year range: 2012 to 2019 · Data source: Scopus, up to 24 Nov 2021 ·

Entity	↑	2012	2013	2014	2015	2016	2017
☐☐ Bioengineering		44.8	38.7	34.4	29.7	24.7	21.4
☐☐ Catalysis		59.5	53.4	48.2	43.6	37.4	31.7
☐☐ Chemical Engineering (miscellaneous)		16.2	19.0	18.9	19.4	19.0	20.0
☐☐ Chemical Health and Safety		15.3	18.9	18.5	16.1	11.6	11.8
☐☐ Colloid and Surface Chemistry		71.8	65.4	57.6	51.2	45.0	39.2
☐☐ Filtration and Separation		36.1	33.1	31.7	26.4	24.9	23.1
☐☐ Fluid Flow and Transfer Processes		20.4	17.7	16.4	14.3	14.8	12.5
☐☐ General Chemical Engineering		23.2	22.0	20.8	19.9	17.3	16.1
☐☐ Process Chemistry and Technology		24.5	23.4	23.6	22.7	21.2	20.4

Chemical Engineering AR

Year range: 2012 to 2019 · Data source: Scopus, up to 24 Nov 2021 ·

Entity	↑	2018	2019	Overall
☐☐ Bioengineering		18.9	12.7	27.9
☐☐ Catalysis		24.9	17.3	37.3
☐☐ Chemical Engineering (miscellaneous)		15.6	10.9	16.2
☐☐ Chemical Health and Safety		7.5	4.7	11.6
☐☐ Colloid and Surface Chemistry		29.2	20.6	46.7
☐☐ Filtration and Separation		18.8	15.2	25.3
☐☐ Fluid Flow and Transfer Processes		10.0	7.1	12.4
☐☐ General Chemical Engineering		12.1	9.7	16.9
☐☐ Process Chemistry and Technology		16.5	11.5	19.0

Metric 1: Citations per Publication 

Types of publications included: Articles and reviews. Self-citations included: yes.

Authorship type:

Metric 2: Publication Year

Chemistry AR


Year range: 2012 to 2019 · Data source: Scopus, up to 24 Nov 2021 ·

Entity	↑	2012	2013	2014	2015	2016	2017
☐☐ Analytical Chemistry		27.6	24.5	23.1	20.7	18.6	16.1
☐☐ Chemistry (miscellaneous)		23.2	19.9	20.6	19.8	20.5	18.6
☐☐ Electrochemistry		30.1	28.8	25.5	24.3	21.0	17.8
☐☐ General Chemistry		37.6	34.5	33.5	30.5	25.8	23.7
☐☐ Inorganic Chemistry		23.4	21.7	19.4	18.7	16.5	14.6
☐☐ Organic Chemistry		27.3	25.0	23.1	20.7	18.3	16.1
☐☐ Physical and Theoretical Chemistry		27.9	25.9	23.7	21.6	18.5	15.6
☐☐ Spectroscopy		25.4	23.6	20.2	18.6	17.4	15.1

Chemistry AR

Year range: 2012 to 2019 · Data source: Scopus, up to 24 Nov 2021 ·

Entity	↑	2018	2019	Overall
☐☐ Analytical Chemistry		13.4	10.1	18.5
☐☐ Chemistry (miscellaneous)		15.2	9.9	16.5
☐☐ Electrochemistry		14.8	11.2	21.1
☐☐ General Chemistry		19.0	13.7	26.6
☐☐ Inorganic Chemistry		12.4	9.5	16.5
☐☐ Organic Chemistry		13.1	9.7	18.7
☐☐ Physical and Theoretical Chemistry		12.1	9.4	18.8
☐☐ Spectroscopy		12.8	10.1	17.1

Metric 1: Citations per Publication 

Types of publications included: Articles and reviews. Self-citations included: yes.

Authorship type:

Metric 2: Publication Year

Computer Science AR

Year range: 2012 to 2019 · Data source: Scopus, up to 24 Nov 2021 ·

Entity	↑	2012	2013	2014	2015	2016	2017
Artificial Intelligence		28.4	26.4	25.5	23.2	20.7	19.2
Computational Theory and Mathematics		29.6	25.9	27.5	19.8	16.8	15.2
Computer Graphics and Computer-Aided Design		22.7	21.5	16.4	16.0	16.3	15.7
Computer Networks and Communications		16.6	20.1	19.5	18.0	15.6	13.4
Computer Science (miscellaneous)		12.0	7.1	9.1	9.1	10.0	8.2
Computer Science Applications		26.0	23.6	23.5	21.3	19.1	17.0
Computer Vision and Pattern Recognition		30.2	30.4	22.7	22.4	17.7	20.9
General Computer Science		12.4	12.8	11.6	12.0	10.8	11.3
Hardware and Architecture		15.9	19.0	18.6	16.7	14.5	12.8


Computer Science AR

Entity	↑	2012	2013	2014	2015	2016	2017
Human-Computer Interaction		28.0	23.6	23.0	22.9	20.8	19.5
Information Systems		19.2	18.8	17.8	16.8	16.5	14.8
Signal Processing		24.8	25.6	25.0	19.8	17.9	17.0
Software		24.2	24.1	22.4	21.9	17.9	17.2

Computer Science AR

Year range: 2012 to 2019 · Data source: Scopus, up to 24 Nov 2021 ·

Entity	↑	2018	2019	Overall
Artificial Intelligence		16.0	10.5	20.3
Computational Theory and Mathematics		12.0	7.6	18.9
Computer Graphics and Computer-Aided Design		12.4	8.5	15.9
Computer Networks and Communications		11.3	8.2	14.3
Computer Science (miscellaneous)		4.1	5.2	6.8
Computer Science Applications		13.8	9.0	18.1
Computer Vision and Pattern Recognition		14.0	9.3	19.7
General Computer Science		10.1	6.0	10.2
Hardware and Architecture		8.9	8.6	13.1
Human-Computer Interaction		14.4	10.8	19.6
Information Systems		12.8	9.0	15.2
Signal Processing		13.3	9.5	17.9
Software		14.0	9.4	18.2

Metric 1: Citations per Publication 

Types of publications included: Articles and reviews. Self-citations included: yes.

Authorship type:

Metric 2: Publication Year

Decision Sciences AR


Year range: 2012 to 2019 · Data source: Scopus, up to 24 Nov 2021 ·

Entity	↑	2012	2013	2014	2015	2016	2017
Decision Sciences (miscellaneous)		6.7	5.6	5.6	4.5	7.8	4.8
General Decision Sciences		29.5	25.4	25.6	22.7	21.8	16.6
Information Systems and Management		36.0	33.1	27.6	27.2	24.3	18.7
Management Science and Operations Research		27.6	23.1	22.5	20.0	15.9	12.5
Statistics, Probability and Uncertainty		18.6	14.2	13.5	16.6	11.6	9.5

Decision Sciences AR

Year range: 2012 to 2019 · Data source: Scopus, up to 24 Nov 2021 ·

Entity	↑	2018	2019	Overall
Decision Sciences (miscellaneous)		3.0	5.9	5.4
General Decision Sciences		14.0	9.6	19.9
Information Systems and Management		14.1	9.5	22.1
Management Science and Operations Research		10.9	8.2	16.5
Statistics, Probability and Uncertainty		7.0	4.4	11.5

Metric 1: Citations per Publication 

Types of publications included: Articles and reviews. Self-citations included: yes.

Authorship type:

Metric 2: Publication Year

Dentistry AR

Year range: 2012 to 2019 · Data source: Scopus, up to 24 Nov 2021 ·

Entity	↑	2012	2013	2014	2015	2016	2017
🗄️ Dental Assisting		0.3	-	-	-	-	-
🗄️ Dental Hygiene		7.9	10.9	9.5	9.0	7.3	4.7
🗄️ Dentistry (miscellaneous)		15.1	14.7	14.2	11.8	10.4	7.3
🗄️ General Dentistry		17.5	15.6	14.8	13.0	10.3	8.9
🗄️ Oral Surgery		18.7	15.4	15.1	12.9	11.1	9.3
🗄️ Orthodontics		11.8	13.6	12.2	10.5	8.6	7.6
🗄️ Periodontics		23.5	23.4	20.1	18.7	14.3	15.1

Dentistry AR

Year range: 2012 to 2019 · Data source: Scopus, up to 24 Nov 2021 ·

Entity	↑	2018	2019	Overall
🗄️ Dental Assisting		-	-	0.3
🗄️ Dental Hygiene		4.2	2.3	6.5
🗄️ Dentistry (miscellaneous)		7.0	4.9	10.5
🗄️ General Dentistry		7.1	4.9	11.2
🗄️ Oral Surgery		7.4	5.0	11.8
🗄️ Orthodontics		5.4	3.2	9.0
🗄️ Periodontics		12.9	7.7	17.2

Metric 1: Citations per Publication 📊

Types of publications included: Articles and reviews. Self-citations included: yes.

Authorship type:

Metric 2: Publication Year

Earth and Planetary Sciences AR


Year range: 2012 to 2019 · Data source: Scopus, up to 24 Nov 2021 ·

Entity	↑	2012	2013	2014	2015	2016	2017
☐☐ Atmospheric Science		34.1	31.7	26.9	23.1	18.6	16.2
☐☐ Computers in Earth Sciences		47.4	36.2	33.2	30.1	21.9	19.1
☐☐ Earth and Planetary Sciences (miscellaneous)		30.1	27.6	22.6	18.3	16.3	14.3
☐☐ Earth-Surface Processes		27.7	22.9	20.8	18.2	14.8	12.4
☐☐ Economic Geology		22.0	18.8	18.3	17.2	14.1	12.1
☐☐ General Earth and Planetary Sciences		20.3	21.4	18.3	17.3	15.8	13.7
☐☐ Geochemistry and Petrology		32.1	26.8	24.3	21.3	17.1	14.0
☐☐ Geology		26.8	22.2	20.3	18.0	15.0	12.3
☐☐ Geophysics		30.4	26.4	23.2	19.9	16.6	13.6
☐☐ Geotechnical Engineering and Engineering Geology		14.4	13.3	13.6	13.1	11.7	10.5
☐☐ Oceanography		25.3	21.8	20.3	17.7	15.0	12.4
☐☐ Paleontology		24.7	18.0	18.0	16.1	13.0	10.0
☐☐ Space and Planetary Science		34.1	31.4	26.2	23.6	20.3	17.0
☐☐ Stratigraphy		29.9	25.0	24.1	20.5	17.5	13.9

Earth and Planetary Sciences AR

Year range: 2012 to 2019 · Data source: Scopus, up to 24 Nov 2021 ·

Entity	↑	2018	2019	Overall
☐☐ Atmospheric Science		12.6	8.4	20.7
☐☐ Computers in Earth Sciences		15.7	10.0	23.9
☐☐ Earth and Planetary Sciences (miscellaneous)		10.3	6.9	17.7
☐☐ Earth-Surface Processes		9.3	6.3	16.1
☐☐ Economic Geology		9.1	6.3	13.7
☐☐ General Earth and Planetary Sciences		10.9	7.4	14.9
☐☐ Geochemistry and Petrology		10.2	6.9	18.4
☐☐ Geology		9.4	6.6	15.5
☐☐ Geophysics		10.3	7.0	17.9
☐☐ Geotechnical Engineering and Engineering Geology		8.8	6.3	11.1
☐☐ Oceanography		9.2	6.6	15.5
☐☐ Paleontology		6.9	5.1	14.0
☐☐ Space and Planetary Science		13.7	8.9	21.5
☐☐ Stratigraphy		11.1	7.8	18.0

Metric 1: Citations per Publication 

Types of publications included: Articles and reviews. Self-citations included: yes.

Authorship type:

Metric 2: Publication Year

Economics, Econometrics and Finance AR

Year range: 2012 to 2019 · Data source: Scopus, up to 24 Nov 2021 ·

Entity	↑	2012	2013	2014	2015	2016
🗄️ Economics and Econometrics		20.8	19.2	16.6	14.5	11.9
🗄️ Economics, Econometrics and Finance (miscellaneous)		12.7	12.2	10.1	10.3	7.5
🗄️ Finance		22.2	19.9	16.8	14.9	12.7
🗄️ General Economics,Econometrics and Finance		8.8	7.5	5.7	5.6	5.5

Economics, Econometrics and Finance AR

Year range: 2012 to 2019 · Data source: Scopus, up to 24 Nov 2021 ·

Entity	↑	2017	2018	2019	Overall
🗄️ Economics and Econometrics		10.2	9.0	6.9	13.2
🗄️ Economics, Econometrics and Finance (miscellaneous)		6.9	5.1	3.8	7.8
🗄️ Finance		10.3	7.9	5.3	13.1
🗄️ General Economics,Econometrics and Finance		4.5	4.0	3.3	5.5

Metric 1: Citations per Publication 📊
Types of publications included: Articles and reviews. Self-citations included: yes.
Authorship type:

Metric 2: Publication Year

Energy AR


Year range: 2012 to 2019 · Data source: Scopus, up to 24 Nov 2021 ·

Entity	↑	2012	2013	2014	2015	2016	2017
☐☐ Energy (miscellaneous)		26.4	21.6	17.7	16.0	29.9	20.0
☐☐ Energy Engineering and Power Technology		21.3	21.8	22.0	19.9	20.0	17.5
☐☐ Fuel Technology		23.9	22.7	23.6	21.8	22.1	19.7
☐☐ General Energy		32.4	33.3	29.8	28.3	25.3	19.3
☐☐ Nuclear Energy and Engineering		23.7	20.9	22.9	19.1	17.5	14.0
☐☐ Renewable Energy, Sustainability and the Environment		44.4	43.9	41.8	38.7	35.8	30.0

Energy AR

Year range: 2012 to 2019 · Data source: Scopus, up to 24 Nov 2021 ·

Entity	↑	2018	2019	Overall
☐☐ Energy (miscellaneous)		13.7	9.4	16.1
☐☐ Energy Engineering and Power Technology		14.3	10.2	17.3
☐☐ Fuel Technology		16.5	11.9	19.5
☐☐ General Energy		19.3	12.4	23.8
☐☐ Nuclear Energy and Engineering		12.3	8.8	16.9
☐☐ Renewable Energy, Sustainability and the Environment		24.0	15.8	30.8

Metric 1: Citations per Publication 

Types of publications included: Articles and reviews. Self-citations included: yes.

Authorship type:

Metric 2: Publication Year

Engineering AR

Year range: 2012 to 2019 · Data source: Scopus, up to 24 Nov 2021 ·

Entity	↑	2012	2013	2014	2015	2016	2017
☐☐ Aerospace Engineering		13.1	12.4	11.8	12.0	11.8	10.4
☐☐ Architecture		6.1	4.6	5.0	4.9	4.8	4.6
☐☐ Automotive Engineering		16.3	16.6	18.0	16.2	15.9	13.2
☐☐ Biomedical Engineering		30.3	27.6	25.4	22.5	18.1	17.3
☐☐ Building and Construction		26.6	25.2	24.9	22.9	20.6	17.6
☐☐ Civil and Structural Engineering		22.6	21.6	20.6	18.8	17.4	14.2
☐☐ Computational Mechanics		17.5	15.7	16.1	14.3	12.4	10.4
☐☐ Control and Systems Engineering		22.8	21.4	21.1	19.1	17.7	15.7
☐☐ Electrical and Electronic Engineering		20.4	19.9	20.0	18.0	16.1	14.8
☐☐ Engineering (miscellaneous)		15.9	14.5	15.5	14.8	12.9	11.9
☐☐ General Engineering		15.3	14.4	13.8	10.8	11.2	10.5

Engineering AR

Entity	↑	2012	2013	2014	2015	2016	2017
Industrial and Manufacturing Engineering		21.1	20.2	20.0	17.8	18.3	16.1
Mechanical Engineering		23.2	21.8	20.8	19.0	17.8	15.4
Mechanics of Materials		25.1	23.7	22.7	20.5	19.1	16.7
Media Technology		12.4	11.5	11.2	10.3	10.0	9.7
Ocean Engineering		15.2	13.7	13.9	12.9	11.6	9.8
Safety, Risk, Reliability and Quality		18.8	17.7	16.6	15.5	13.9	11.8

Engineering AR

Year range: 2012 to 2019 · Data source: Scopus, up to 24 Nov 2021 ·

Entity	↑	2018	2019	Overall
🗄️ Aerospace Engineering		8.5	6.5	10.5
🗄️ Architecture		3.8	3.3	4.5
🗄️ Automotive Engineering		11.1	8.4	13.9
🗄️ Biomedical Engineering		14.8	10.3	20.2
🗄️ Building and Construction		14.2	10.8	19.2
🗄️ Civil and Structural Engineering		11.9	7.8	15.5
🗄️ Computational Mechanics		8.6	6.4	12.0
🗄️ Control and Systems Engineering		12.4	9.0	16.6
🗄️ Electrical and Electronic Engineering		11.9	7.8	15.5
🗄️ Engineering (miscellaneous)		10.2	6.5	12.2
🗄️ General Engineering		8.4	5.5	10.3
🗄️ Industrial and Manufacturing Engineering		14.2	11.4	16.9
🗄️ Mechanical Engineering		12.4	9.1	16.9
🗄️ Mechanics of Materials		13.3	8.9	18.0
🗄️ Media Technology		7.0	6.3	9.4
🗄️ Ocean Engineering		8.2	6.2	11.0
🗄️ Safety, Risk, Reliability and Quality		9.8	7.3	13.2

Metric 1: Citations per Publication 

Types of publications included: Articles and reviews. Self-citations included: yes.

Authorship type:

Metric 2: Publication Year

Environmental Science AR


Year range: 2012 to 2019 · Data source: Scopus, up to 24 Nov 2021 ·

Entity	↑	2012	2013	2014	2015	2016	2017
Ecological Modeling		43.1	37.4	32.1	29.5	27.9	21.3
Ecology		26.6	22.9	21.4	18.5	15.3	13.0
Environmental Chemistry		42.3	35.7	34.1	29.4	26.0	23.9
Environmental Engineering		33.1	28.1	25.6	23.8	21.4	20.0
Environmental Science (miscellaneous)		25.5	26.1	21.7	21.1	18.8	14.6
General Environmental Science		20.7	20.5	18.7	19.8	18.7	17.0
Global and Planetary Change		40.0	37.3	33.1	26.3	21.5	19.3
Health, Toxicology and Mutagenesis		31.1	28.1	24.7	22.6	21.2	18.5
Management, Monitoring, Policy and Law		28.0	27.1	25.8	22.4	20.2	17.1
Nature and Landscape Conservation		23.3	22.6	19.2	18.7	14.9	12.5
Pollution		35.7	30.3	29.4	25.1	22.3	19.8
Waste Management and Disposal		36.5	29.9	27.4	24.6	23.1	21.3
Water Science and Technology		24.4	20.7	19.0	17.5	14.5	12.2

Environmental Science AR

Year range: 2012 to 2019 · Data source: Scopus, up to 24 Nov 2021 ·

Entity	↑	2018	2019	Overall
Ecological Modeling		17.6	13.1	26.9
Ecology		9.7	6.5	15.9
Environmental Chemistry		20.8	15.5	26.7
Environmental Engineering		14.6	11.4	20.3
Environmental Science (miscellaneous)		11.2	7.5	14.9
General Environmental Science		15.9	11.2	17.5
Global and Planetary Change		15.5	10.7	23.7
Health, Toxicology and Mutagenesis		15.2	10.6	20.0
Management, Monitoring, Policy and Law		13.4	9.4	18.7
Nature and Landscape Conservation		9.4	6.2	14.5
Pollution		17.8	13.2	22.6
Waste Management and Disposal		19.5	14.3	23.2
Water Science and Technology		10.1	7.3	15.1

Metric 1: Citations per Publication 

Types of publications included: Articles and reviews. Self-citations included: yes.

Authorship type:

Metric 2: Publication Year

Health Professions AR

Year range: 2012 to 2019 · Data source: Scopus, up to 24 Nov 2021 ·

Entity	↑	2012	2013	2014	2015	2016	2017
☐☐ Chiropractics		12.6	12.7	9.7	9.0	26.0	6.3
☐☐ Complementary and Manual Therapy		12.1	11.1	11.5	10.3	8.2	6.3
☐☐ Emergency Medical Services		16.5	7.5	9.6	7.0	5.9	4.1
☐☐ General Health Professions		16.3	15.9	14.0	12.6	10.4	9.2
☐☐ Health Information Management		30.0	29.5	27.1	22.9	25.0	16.0
☐☐ Health Professions (miscellaneous)		12.9	11.3	11.1	10.0	9.4	11.0
☐☐ Medical Assisting and Transcription		3.9	6.9	1.7	4.0	5.3	1.7
☐☐ Medical Laboratory Technology		13.4	12.8	10.6	10.0	8.6	8.5
☐☐ Medical Terminology		-	-	-	-	1.1	1.0
☐☐ Occupational Therapy		14.8	12.2	11.9	9.9	7.5	6.0
☐☐ Optometry		16.4	15.3	13.8	10.4	8.5	8.1
☐☐ Pharmacy		7.1	8.6	8.0	6.5	7.2	5.8

Health Professions AR

Entity	↑	2012	2013	2014	2015	2016	2017
Physical Therapy, Sports Therapy and Rehabilitation		21.7	19.8	19.2	16.4	13.6	11.5
Podiatry		8.4	9.7	6.9	6.3	4.8	3.9
Radiological and Ultrasound Technology		23.7	24.6	20.4	18.0	17.3	16.0
Respiratory Care		-	-	-	5.7	7.1	8.3
Speech and Hearing		18.7	17.0	14.7	12.4	9.8	8.5

Health Professions AR

Year range: 2012 to 2019 · Data source: Scopus, up to 24 Nov 2021 ·

Entity	↑	2018	2019	Overall
☐☐ Chiropractics		4.8	2.5	10.1
☐☐ Complementary and Manual Therapy		4.7	3.9	8.1
☐☐ Emergency Medical Services		3.0	1.6	6.4
☐☐ General Health Professions		6.7	4.4	10.9
☐☐ Health Information Management		15.0	10.1	20.2
☐☐ Health Professions (miscellaneous)		7.9	6.5	9.5
☐☐ Medical Assisting and Transcription		1.2	0.6	2.9
☐☐ Medical Laboratory Technology		7.5	4.7	9.4
☐☐ Medical Terminology		0.4	0.4	0.7
☐☐ Occupational Therapy		4.7	2.8	8.4
☐☐ Optometry		5.8	5.1	10.4
☐☐ Pharmacy		4.5	3.1	6.1
☐☐ Physical Therapy, Sports Therapy and Rehabilitation		8.3	5.6	13.8
☐☐ Podiatry		3.2	2.4	5.5
☐☐ Radiological and Ultrasound Technology		11.5	8.5	17.0
☐☐ Respiratory Care		4.9	3.5	6.1
☐☐ Speech and Hearing		6.4	3.9	11.0

Metric 1: Citations per Publication 

Types of publications included: Articles and reviews. Self-citations included: yes.

Authorship type:

Metric 2: Publication Year

Immunology and Microbiology AR


Year range: 2012 to 2019 · Data source: Scopus, up to 24 Nov 2021 ·

Entity	↑	2012	2013	2014	2015	2016	2017
Applied Microbiology and Biotechnology		25.9	24.0	21.3	19.6	17.1	14.3
General Immunology and Microbiology		37.1	30.5	27.6	25.5	21.6	17.3
Immunology		39.9	37.8	35.3	30.2	26.3	23.1
Immunology and Microbiology (miscellaneous)		21.9	17.6	15.4	13.8	11.2	9.7
Microbiology		35.3	30.8	27.7	24.8	22.6	19.3
Parasitology		27.0	25.4	22.9	19.7	16.4	13.2
Virology		32.0	30.4	27.5	25.3	21.1	17.5

Immunology and Microbiology AR

Year range: 2012 to 2019 · Data source: Scopus, up to 24 Nov 2021 ·

Entity	↑	2018	2019	Overall
Applied Microbiology and Biotechnology		12.3	8.9	18.0
General Immunology and Microbiology		13.3	8.9	21.5
Immunology		17.7	12.3	27.6
Immunology and Microbiology (miscellaneous)		7.2	4.6	10.7
Microbiology		14.4	9.7	22.4
Parasitology		10.2	6.4	17.5
Virology		13.7	9.5	22.0

Metric 1: Citations per Publication 

Types of publications included: Articles and reviews. Self-citations included: yes.

Authorship type:

Metric 2: Publication Year

Materials Science AR

Year range: 2012 to 2019 · Data source: Scopus, up to 24 Nov 2021 ·

Entity	↑	2012	2013	2014	2015	2016	2017
☐☐ Biomaterials		39.6	36.0	31.8	26.8	26.3	22.3
☐☐ Ceramics and Composites		34.3	30.4	27.8	24.5	21.5	18.6
☐☐ Electronic, Optical and Magnetic Materials		23.7	20.9	19.7	18.0	17.0	14.4
☐☐ General Materials Science		32.1	32.0	30.9	28.4	24.8	22.1
☐☐ Materials Chemistry		25.0	20.4	19.7	18.4	17.1	15.1
☐☐ Materials Science (miscellaneous)		6.1	6.3	8.5	8.2	9.4	8.4
☐☐ Metals and Alloys		21.4	18.8	18.2	17.1	15.5	13.5
☐☐ Polymers and Plastics		23.3	22.5	20.4	18.1	16.3	14.2
☐☐ Surfaces, Coatings and Films		27.9	24.7	23.3	21.7	19.3	16.8

Materials Science AR

Year range: 2012 to 2019 · Data source: Scopus, up to 24 Nov 2021 ·

Entity	↑	2018	2019	Overall
☐☐ Biomaterials		17.2	10.9	24.3
☐☐ Ceramics and Composites		14.8	11.4	22.1
☐☐ Electronic, Optical and Magnetic Materials		11.9	8.2	16.2
☐☐ General Materials Science		18.3	12.1	23.7
☐☐ Materials Chemistry		12.3	9.1	16.7
☐☐ Materials Science (miscellaneous)		7.2	5.6	7.3
☐☐ Metals and Alloys		10.8	7.6	14.9
☐☐ Polymers and Plastics		11.3	7.7	16.1
☐☐ Surfaces, Coatings and Films		13.6	9.1	18.7

Metric 1: Citations per Publication 

Types of publications included: Articles and reviews. Self-citations included: yes.

Authorship type:

Metric 2: Publication Year

Mathematics AR

Year range: 2012 to 2019 · Data source: Scopus, up to 24 Nov 2021 ·

Entity	↑	2012	2013	2014	2015	2016	2017
Algebra and Number Theory		7.5	7.1	6.0	5.4	4.9	4.3
Analysis		12.2	9.6	8.6	8.4	7.2	6.2
Applied Mathematics		16.2	14.7	13.1	11.9	10.8	9.8
Computational Mathematics		27.6	19.6	22.2	15.9	12.1	10.4
Control and Optimization		17.0	14.5	14.4	12.0	11.7	10.9
Discrete Mathematics and Combinatorics		8.7	7.5	6.9	6.1	5.3	4.6
General Mathematics		7.1	8.0	6.8	6.2	5.8	4.9
Geometry and Topology		9.5	8.8	7.3	6.6	6.0	5.5
Logic		10.9	10.8	9.0	9.4	7.0	6.9
Mathematical Physics		12.4	12.1	11.3	10.3	8.8	8.0
Mathematics (miscellaneous)		10.4	10.9	8.4	8.2	6.6	5.3
Modeling and Simulation		20.0	17.9	16.4	14.1	12.4	11.5
Numerical Analysis		19.2	17.4	15.6	12.8	11.8	10.3


Mathematics AR

Entity	↑	2012	2013	2014	2015	2016	2017
▣▣ Statistics and Probability		21.6	17.2	19.7	16.1	11.6	9.4
▣▣ Theoretical Computer Science		15.3	14.4	12.4	13.6	12.3	10.8

Mathematics AR

Year range: 2012 to 2019 · Data source: Scopus, up to 24 Nov 2021 ·

Entity	↑	2018	2019	Overall
Algebra and Number Theory		3.6	2.6	5.0
Analysis		5.1	3.8	7.5
Applied Mathematics		8.1	5.5	11.1
Computational Mathematics		9.1	6.0	14.6
Control and Optimization		9.2	6.1	10.6
Discrete Mathematics and Combinatorics		3.7	2.7	5.6
General Mathematics		4.5	3.5	5.8
Geometry and Topology		4.8	3.5	6.3
Logic		4.9	3.9	7.6
Mathematical Physics		6.0	4.6	9.0
Mathematics (miscellaneous)		4.3	3.0	6.9
Modeling and Simulation		9.4	6.8	13.2
Numerical Analysis		7.9	5.1	12.0
Statistics and Probability		7.6	5.0	13.1
Theoretical Computer Science		9.4	6.8	11.7

Metric 1: Citations per Publication 

Types of publications included: Articles and reviews. Self-citations included: yes.

Authorship type:

Metric 2: Publication Year

Medicine AR

Year range: 2012 to 2019 · Data source: Scopus, up to 24 Nov 2021 ·

Entity	↑	2012	2013	2014	2015	2016
☐☐ Anatomy		19.8	18.2	17.8	15.1	13.3
☐☐ Anesthesiology and Pain Medicine		19.8	18.6	17.1	14.8	12.3
☐☐ Biochemistry (medical)		25.4	23.5	20.2	19.4	16.0
☐☐ Cardiology and Cardiovascular Medicine		27.5	24.5	22.5	19.6	17.4
☐☐ Complementary and Alternative Medicine		14.8	13.6	11.7	10.3	9.4
☐☐ Critical Care and Intensive Care Medicine		30.0	28.2	21.7	20.3	17.6
☐☐ Dermatology		16.5	15.9	14.7	12.8	10.5
☐☐ Drug Guides		4.9	4.7	7.8	6.4	3.8
☐☐ Embryology		21.2	18.5	18.6	13.9	11.6
☐☐ Emergency Medicine		13.6	12.2	11.5	10.9	8.7
☐☐ Endocrinology, Diabetes and Metabolism		32.4	29.9	27.8	23.5	20.3
☐☐ Epidemiology		31.7	30.6	27.3	23.6	20.8
☐☐ Family Practice		12.1	11.5	10.4	8.3	5.2
☐☐ Gastroenterology		26.1	24.1	21.9	19.9	17.3
☐☐ General Medicine		12.8	11.5	10.8	10.7	10.2
☐☐ Genetics (clinical)		40.3	35.4	30.2	27.3	22.2
☐☐ Geriatrics and Gerontology		27.0	25.7	24.9	21.9	18.0

Medicine AR

Entity	↑	2012	2013	2014	2015	2016
Health Informatics		28.0	28.1	25.7	22.5	18.1
Health Policy		18.8	17.9	15.6	14.1	11.9
Hematology		31.9	29.6	25.9	24.5	22.7
Hepatology		41.7	36.7	31.8	31.1	26.9
Histology		19.9	17.9	16.7	15.7	10.8
Immunology and Allergy		37.8	36.2	33.9	29.0	24.6
Infectious Diseases		28.7	26.8	24.1	21.2	18.0
Internal Medicine		28.8	28.8	27.1	21.4	17.8
Medicine (miscellaneous)		28.2	24.8	22.6	20.5	16.2
Microbiology (medical)		30.3	26.3	25.0	21.6	20.2
Nephrology		27.3	24.0	21.7	19.6	17.0
Neurology (clinical)		28.3	26.0	23.4	20.8	17.7
Obstetrics and Gynecology		20.3	19.5	17.9	15.9	12.9
Oncology		33.9	31.0	27.8	26.1	22.3
Ophthalmology		18.6	16.6	15.6	13.9	11.7
Orthopedics and Sports Medicine		23.3	20.8	18.9	16.1	13.7
Otorhinolaryngology		14.6	12.6	11.4	10.4	9.2
Pathology and Forensic Medicine		20.6	17.8	15.8	13.9	11.7
Pediatrics, Perinatology and Child Health		18.3	17.2	14.6	13.2	11.1
Pharmacology (medical)		24.5	21.3	18.8	16.0	13.3

Medicine AR

Entity	↑	2012	2013	2014	2015	2016
☐☐ Physiology (medical)		34.4	30.8	26.5	24.1	19.4
☐☐ Psychiatric Mental Health		12.6	13.1	14.2	13.3	10.6
☐☐ Public Health, Environmental and Occupational Health		21.3	20.1	17.7	15.8	13.1
☐☐ Pulmonary and Respiratory Medicine		25.5	22.9	20.6	19.0	15.9
☐☐ Radiology, Nuclear Medicine and Imaging		21.1	19.3	17.2	15.6	13.2
☐☐ Rehabilitation		18.3	16.7	15.5	13.2	10.6
☐☐ Reproductive Medicine		24.5	23.0	21.1	17.7	15.8
☐☐ Reviews and References (medical)		22.1	30.7	29.0	16.1	18.6
☐☐ Rheumatology		33.4	28.0	27.2	24.4	19.4
☐☐ Surgery		18.2	16.6	15.0	13.2	11.2
☐☐ Transplantation		27.2	27.5	21.6	20.6	16.5
☐☐ Urology		19.1	18.0	16.1	14.8	13.2

Medicine AR

Year range: 2012 to 2019 · Data source: Scopus, up to 24 Nov 2021 ·


Entity	↑	2017	2018	2019	Overall
☐☐ Anatomy		11.1	7.7	5.4	13.4
☐☐ Anesthesiology and Pain Medicine		10.8	8.5	5.9	13.3
☐☐ Biochemistry (medical)		15.7	11.9	7.7	17.0
☐☐ Cardiology and Cardiovascular Medicine		14.9	11.7	8.0	18.2
☐☐ Complementary and Alternative Medicine		7.9	6.1	4.4	9.8
☐☐ Critical Care and Intensive Care Medicine		15.9	10.7	7.5	18.8
☐☐ Dermatology		9.6	7.5	5.1	11.4
☐☐ Drug Guides		3.1	2.3	1.7	4.2
☐☐ Embryology		10.6	8.2	4.1	13.5
☐☐ Emergency Medicine		7.4	6.0	3.9	9.2
☐☐ Endocrinology, Diabetes and Metabolism		16.9	13.5	9.0	21.3
☐☐ Epidemiology		17.6	13.0	8.2	21.5
☐☐ Family Practice		4.7	4.2	2.4	6.8
☐☐ Gastroenterology		16.0	11.8	8.5	18.2
☐☐ General Medicine		10.0	7.7	5.3	9.9
☐☐ Genetics (clinical)		18.1	13.1	9.2	23.9
☐☐ Geriatrics and Gerontology		14.8	11.5	7.6	18.5
☐☐ Health Informatics		17.2	13.3	8.8	18.4
☐☐ Health Policy		10.3	8.1	5.0	12.2
☐☐ Hematology		18.2	15.7	10.2	22.4

Medicine AR

Entity	↑	2017	2018	2019	Overall
☐☐ Hepatology		24.4	20.0	12.9	28.1
☐☐ Histology		9.2	10.2	6.6	13.3
☐☐ Immunology and Allergy		21.4	16.6	11.7	25.9
☐☐ Infectious Diseases		14.9	11.5	7.7	18.7
☐☐ Internal Medicine		15.4	13.0	8.1	19.7
☐☐ Medicine (miscellaneous)		14.7	12.2	8.3	17.5
☐☐ Microbiology (medical)		17.4	13.5	8.9	19.5
☐☐ Nephrology		14.9	10.4	6.8	17.6
☐☐ Neurology (clinical)		15.1	11.2	7.5	18.2
☐☐ Obstetrics and Gynecology		10.9	8.4	5.4	13.7
☐☐ Oncology		19.0	15.0	10.7	22.4
☐☐ Ophthalmology		9.8	7.3	5.0	12.1
☐☐ Orthopedics and Sports Medicine		11.4	8.5	5.6	14.2
☐☐ Otorhinolaryngology		7.7	5.8	4.1	9.4
☐☐ Pathology and Forensic Medicine		9.4	8.0	5.2	12.7
☐☐ Pediatrics, Perinatology and Child Health		9.2	6.9	4.6	11.7
☐☐ Pharmacology (medical)		11.8	9.2	6.5	14.7
☐☐ Physiology (medical)		17.3	12.9	9.2	21.4
☐☐ Psychiatric Mental Health		9.2	7.2	4.1	10.1
☐☐ Public Health, Environmental and Occupational Health		11.4	8.7	5.6	13.5
☐☐ Pulmonary and Respiratory Medicine		14.6	10.4	7.4	16.8

Medicine AR

Entity	↑	2017	2018	2019	Overall
☐☐ Radiology, Nuclear Medicine and Imaging		12.2	9.4	6.8	14.0
☐☐ Rehabilitation		8.9	6.3	4.4	11.5
☐☐ Reproductive Medicine		12.6	9.6	6.0	16.2
☐☐ Reviews and References (medical)		18.5	14.0	-	23.0
☐☐ Rheumatology		17.5	11.7	8.4	21.1
☐☐ Surgery		9.4	7.2	4.9	11.7
☐☐ Transplantation		14.0	9.4	6.8	17.6
☐☐ Urology		10.8	8.1	5.7	13.1

Metric 1: Citations per Publication 

Types of publications included: Articles and reviews. Self-citations included: yes.

Authorship type:

Metric 2: Publication Year

Multidisciplinary AR


Year range: 2012 to 2019 · Data source: Scopus, up to 24 Nov 2021 ·

Entity	↑	2012	2013	2014	2015	2016	2017
☐☐ Multidisciplinary		48.8	39.9	35.7	32.7	26.2	22.4

Multidisciplinary AR

Year range: 2012 to 2019 · Data source: Scopus, up to 24 Nov 2021 ·

Entity	↑	2018	2019	Overall
 Multidisciplinary		17.2	11.3	28.5

Metric 1: Citations per Publication 

Types of publications included: Articles and reviews. Self-citations included: yes.

Authorship type:

Metric 2: Publication Year