

2015년 의편협 학술지의 JCR 및 SJR Impact Factor의 변화

연세의대 미생물학교실

최인홍

JCR *Journal Citation Rank*


















Thomson Reuters의 DB로서 SCIE, SSCI 와 A&HCI에 등재된
12,800여종 학술지를 포함하며 최근 2년간 출판된 논문이
해당연도에 피인용된 회수를 IF로 제공

2015년 JCR 한국 학술지

- SCIE 총 8,802종, 한국 105종 (2016.10)

미국	2,935
영국	1,818
네덜란드	693
독일	594
일본	234
중국	185
프랑스	172
러시아	146
이탈리아	120

의편협 학술지 (34종) IF

	2014 IF	2015 IF	
Allergy Asthma & Immunology Research	2.160	2.309	
Annals of Dermatology	1.393	1.325	
Annals of Laboratory Medicine	1.417	1.870	
Annals of Surgical Treatment and Research	NA	0.730	
Asian Nursing Research	1.000	0.849	
Biomolecules & Therapeutics	1.727	2.127	
Cancer Research and Treatment	3.318	4.245	
Clinical and Experimental Otorhinolaryngology	0.852	0.855	
Clinical Psychopharmacology and Neuroscience	NA	1.500	
Experimental and Molecular Medicine	3.446	5.164	
Gut and Liver	1.810	2.000	
International Neurourology Journal	1.061	1.344	
Journal of Advanced Prosthodontics	0.640	0.844	
Journal of Breast Cancer	1.576	1.854	
Journal of Clinical Neurology	1.700	1.876	
Journal of Gynecologic Oncology	2.494	2.522	
Journal of Korean Academy of Nursing	0.380	0.549	

의편협 학술지 (34종) IF

	2014 IF	2015 IF	
Journal of Korean Medical Science	1.266	1.256	↘
Journal of Korean Neurosurgical Society	0.636	0.599	↘
Journal of the Korean Surgical Society	0.730	0.973	↗
Journal of Neurogastroenterology & Motility	2.296	1.771	↘
Journal of Periodontal and Implant Science	1.145	1.108	↘
Journal of Stroke	NA	4.795	
Journal of Veterinary Science	1.164	1.076	↘
Korean Circulation Journal	0.753	0.706	↘
Korean Journal of Internal Medicine	1.426	1.679	↗
Korean Journal Orthodontics	1.173	1.162	↘
Korean Journal of Parasitology	1.151	1.027	↗
Korean Journal of Physiology & Pharmacology	1.378	1.544	↗
Korean Journal of Radiology	1.571	1.592	↗
Mycobiology	NA	0.573	
Nutrition Research and Practice	1.443	1.416	↘
Psychiatric Investigation	1.280	1.500	↗
Yonsei Medical Journal	1.287	1.154	↘

의편협 학술지 IF 변화

18종이 상승

12종이 하락

4종이 새로 IF 받음

의편협 학술지 IF 분포

	2014	2015
> 5.0	0	1
4.0–5.0	0	2
3.0–4.0	2	0
2.0–3.0	2	4
1.0–2.0	19	18
< 1.0	6	9
총	30	34

2015년 뛰어오른 학술지

- 국내 생의약학 잡지 중 처음 4.0 이상 올라감

	2014	2015
Experimental and Molecular Medicine	3.446	5.164
Journal of Stroke	NA	4.795
Cancer Research and Treatment	3.318	4.245

- 생의약학 외 분야: Journal of Industrial and Engineering Chemistry (IF 4.179, 한국공업화학회 발행, Elsevier 출판)

의편협 학술지 Self Citation 비율

> 20%	3종
10-20%	13종
< 10%	18종

34종

전체 국내 학술지 Self Citation 비율

> 20%	38종	> 50%	3종
10-20%	32종	40-50%	7종
< 10%	35종	30-40%	12종
<hr/>			
105종			

전체 국내 학술지 Self Citation 비율



	IF	IF w/o self citation	%	2년간 논문수
Polymer-Korea	0.388	0.116	70.1	138
Korean Journal of Horticultural Science & Technology	0.261	0.102	60.9	115
Wind and Structures	0.746	0.373	50.0	79

IF 상위 국내 생의약학 학술지

	2014	2015
Experimental and Molecular Medicine	3.446	5.164
Journal of Stroke	NA	4.795
Cancer Research and Treatment	3.318	4.245
Journal of Ginseng Research	2.815	3.898
BMB Reports	2.595	2.782
Molecules and Cells	2.090	2.670
Journal of Gynecologic Oncology	2.494	2.522
Archives of Pharmacal Research	2.046	2.490
Allergy Asthma & Immunology Research	2.160	2.309
Gut and Liver	1.810	2.000

SCI Journal

Eigenfactor
Score

	IF		
70 Bulletin of the Korean Chemical Society 	0.793	0.00900	Q4
69 ETRI Journal	0.809	0.00218	Q3
1 Experimental and Molecular Medicine 	5.164	0.00554	Q1
103 Journal of Ceramic Processing Research	0.320	0.00146	Q4
40 Journal of Korean Medical Science	1.256	0.00829	Q2
95 Journal of the Korean Physical Society	0.445	0.00799	Q4
20 Metals and Materials International	1.815	0.00368	Q2
7 Molecules and Cells	2.670	0.00799	Q3
46 Yonsei Medical Journal	1.154	0.00501	Q3

New Engl J Med	0.68235
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SJR *SCImago Journal & Country Rank*



Elsevier의 DB로서 SJR은 지난 3년간 피인용 회수를
기반으로 하며 피인용 지수가 높은 학술지가 인용하는 것을
더 높게 평가

2015년 SJR 한국 학술지















- 총 29,713종, 한국 212종 (2016. 10), 204종 (2015)

미국	11,531
영국	5,550
네덜란드	2,101
독일	1,534
일본	521
중국	611
프랑스	627
러시아	251
이탈리아	502

의편협 학술지 (83종) IF

	2014	2015	
Allergy, asthma & Immunology Research	0.909	0.889	↘
Anatomy & Cell Biology	NA	NA	
Annals of Coloproctology	0.460	0.566	↗
Annals of Dermatology	0.522	0.676	↗
Annals of Laboratory Medicine	0.574	0.540	↘
Annals of Rehabilitation Medicine	0.341	0.418	↗
Annals of Surgical Treatment and Research	0.348	0.462	↗
Archives of Plastic Surgery	0.705	0.711	↗
Asian Nursing Research	NA	NA	
Asian Spine Journal	0.318	0.397	↗
Biomolecules & Therapeutics	0.435	0.874	↗
Blood Research	0.449	0.495	↗
Cancer Research and Treatment	1.261	1.840	↗
Clinical and Experimental Otorhinolaryngology	0.424	0.530	↗
Clinical and Experimental Reproductive Medicine	0.680	0.587	↘
Clinical and Molecular Hepatology	0.686	0.899	↗
Clinical Endoscopy	0.407	0.514	↗

의편협 학술지 (83종) IF

	2014	2015	
Clinical Psychopharmacology and Neuroscience	0.568	0.918	
Clinics in Orthopedic Surgery	0.753	0.675	
Diabetes & Metabolism Journal	1.248	1.430	
Electrolytes & Blood Pressure	0.307	0.677	
Endocrinology and Metabolism	NA	NA	
Experimental & Molecular Medicine	1.416	1.922	
Gut and Liver	0.684	0.848	
Healthcare Informatics Research	0.480	0.386	
Imaging Science in Dentistry	0.418	0.446	
Immune Network	NA	NA	
Infection and Chemotherapy	0.249	0.580	
International Journal of Stem Cells	0.222	0.472	
International Neurourology Journal	0.415	0.419	
Intestinal Research	NA	NA	
Journal of Advanced Prosthodontics	0.336	0.330	
Journal of Bacteriology and Virology	0.174	0.167	
Journal of Breast Cancer	0.749	0.841	

의편협 학술지 (83종) IF







	2014	2015	
Journal of Cardiovascular Ultrasound	0.351	0.317	↘
Journal of Clinical Neurology	0.865	0.877	↗
Journal of Gastric Cancer	0.860	0.790	↘
Journal of Gynecologic Oncology	0.725	0.858	↗
Journal of Korean Academy of Nursing	NA	NA	
Journal of Korean Medical Science	0.589	0.567	↘
Journal of Korean Neurosurgical Society	0.410	0.348	↘
Journal of Neurogastroenterology and Motility	0.942	0.710	↘
Journal of Nutrition and Health	0.149	0.209	↗
Journal of Pathology and Translational Medicine	0.393	0.508	↗
Journal of Periodontal & Implant Science	0.435	0.412	↘
Journal of Preventive Medicine and Public Health	0.659	0.728	↗
Journal of the Korean Medical Association	0.155	0.140	↘
Journal of Veterinary Science	0.494	0.525	↗
Kidney Research and Clinical Practice	0.169	0.267	↗
Korean Circulation Journal	0.378	0.362	↘
Korean Journal of Adult Nursing	0.191	0.201	↗

의편협 학술지 (83종) IF

Nature
N Engl J Med

	2014	2015	
Korean Journal of Anesthesiology	0.415	0.378	↘
Korean Journal of Audiology	0.152	0.197	↗
Korean Journal of Dermatology	0.149	0.161	↗
Korean Journal of Family Medicine	0.390	0.486	↗
Korean Journal of Internal Medicine	0.491	0.584	↗
Korean Journal of Medical History	NA	NA	
Korean Journal of Medical Mycology	0.187	0.195	↗
Korean Journal of Ophthalmology	0.474	0.531	↗
Korean Journal of Orthodontics	0.586	0.914	↗
Korean Journal of Pain	0.469	0.315	↘
Korean Journal of Parasitology	0.489	0.561	↗
Korean Journal of Pediatric Infectious Diseases	0.119	0.104	↘
Korean Journal of Pediatrics	0.369	0.462	↗
Korean Journal of Physiology & Pharmacology	0.560	0.627	↗
Korean Journal of Radiology	0.811	0.574	↘
Korean Journal of Thoracic and Cardiovascular Surgery	0.277	0.316	↗
Korean Journal of Urology	0.476	0.601	↗

의편협 학술지 (83종) IF

	2014	2015	
Korean Journal of Veterinary Research	0.123	0.153	
Mycobiology	0.405	0.325	
Natural Product Science	0.169	0.167	
Nuclear Medicine and Molecular Imaging	NA	NA	
Nutrition Research and Practice	0.602	0.631	
Osong Public Health and Research Perspectives	0.305	0.419	
Pediatric Gastroenterology, Hepatology & Nutrition	NA	NA	
Psychiatry Investigation	0.527	0.629	
Radiation Oncology Journal	0.542	0.517	
Safety and Health at Work	0.423	0.572	
The Korean Journal of Gastroenterology	0.223	0.254	
The Korean Journal of Pain	NA	NA	
Translational and Clinical Pharmacology	NA	0.153	
Tuberculosis and Respiratory Diseases	0.279	0.448	
Yonsei Medical Journal	0.513	0.498	

의편협 학술지 IF 변화

49종이 상승

23종이 하락

1종이 새로 IF 받음

의편협 학술지 IF 분포

	2014	2015
1.5–2.0	0	2
1.0–1.5	3	1
0.5–1.0	23	35
< 0.5	46	35
총	72종	73종

- Experimental and Molecular Medicine (1.416 → 1.922)
- Cancer Research and Treatment (1.261 → 1.840)
- **Diabetes & Metabolism Journal** (1.248 → 1.430)

Emerging
SCI

JCR과 SJR



JCR

137.578	CA-A Cancer Journal for clinicians
59.558	New England Journal of Medicine
47.120	Nature Reviews Drug Discovery
44.002	Lancet
43.113	Nature Biotechnology
39.416	Nature Reviews Immunology
38.891	Nature Materials
38.602	Nature Molecular Cell Biology
38.138	Nature
37.846	Annual Review of Astronomy and Astrophysics

SJR

Nature Molecular Cell Biology	32.928
Annual Review of Immunology	32.720
Nature Reviews Genetics	32.615
CA-A Cancer Journal for clinicians	32.242
Cell	28.188
Annual Review of Astronomy and Astrophysics	27.065
Nature Reviews Immunology	26.850
Nature Reviews Cancer	25.467
Annual Review of Biochemistry	24.872
Reviews of Modern Physics	24.580
Nature	21.936
Lancet	14.638
N Engl J Med	14.619

국내 생의약학 학술지

	JCR	SJR
Experimental and Molecular Medicine	5.164	1.922
Journal of Stroke	4.795	NA
Cancer Research and Treatment	4.245	1.840
Journal of Ginseng Research	3.898	1.284
BMB Reports	2.782	1.203
Molecules and Cells	2.670	1.194
Journal of Gynecologic Oncology	2.522	0.858
Archives of Pharmacal Research	2.490	0.666
Allergy Asthma & Immunology Research	2.309	0.889
Gut and Liver	2.000	0.848
Journal of Korean Medical Science	1.256	0.567
Yonsei Medical Journal	1.154	0.498



The San Francisco Declaration on Research Assessment (DORA), initiated by the American Society for Cell Biology (ASCB) together with a group of editors and publishers of scholarly journals, recognizes the need to improve the ways in which the outputs of scientific research are evaluated.

- Citation distributions within journals are **highly skewed**.
- The properties of the Journal Impact Factor are **field-specific**: it is a composite of **multiple, highly diverse article** types, including primary research papers and reviews.
- Journal Impact Factors can be **manipulated** (or “gamed”) **by editorial policy**.
- Data used to calculate the Journal Impact Factors are neither transparent nor openly available to the public.

San Francisco



Declaration on Research Assessment
2013

For Publishers

- Cease to promote journals by Impact Factor; provide an array of metrics
- Focus on article-level metrics
- Identify different author contributions
- Open the bibliographic citation data
- Encourage primary literature citations

GOOD SCIENCE

ETHICAL INTEGRITY

