

부록 1. 2023년 수학분야 권장 학술지 목록  
(대한수학회 응용수학, 암호학 분과 추천제외)

#	학술지명	P-ISSN
1	Abhandlungen Aus Dem Mathematischen Seminar Der Universitat Hamburg	0025-5858
2	ACM Transactions on Algorithms	1549-6325
3	Acta Arithmetica	0065-1036
4	Acta Mathematica	0001-5962
5	Acta Mathematica Hungarica	0236-5294
6	Acta Mathematica Scientia	0252-9602
7	Acta Mathematica Sinica-English Series	1439-8516
8	Advanced Nonlinear Studies	1536-1365
9	Advances in Applied Mathematics	0196-8858
10	Advances in Applied Probability	0001-8678
11	Advances in Calculus of Variations	1864-8258
12	Advances in Differential Equations	1079-9389
13	Advances in Geometry	1615-715X
14	Advances in Mathematics	0001-8708
15	Advances in Mathematics of Communications	1930-5346
16	Advances in Nonlinear Analysis	2191-9496
17	Advances in Theoretical and Mathematical Physics	1095-0761
18	Aequationes Mathematicae	0001-9054
19	Algebra & Number Theory	1937-0652
20	Algebra and Logic	0002-5232
21	Algebraic and Geometric Topology	1472-2739
22	Algebraic Geometry	2313-1691
23	Algebras and Representation Theory	1386-923X
24	Algorithmica	0178-4617
25	American Journal of Mathematics	0002-9327
26	American Mathematical Monthly	0002-9890
27	Analysis & PDE	1948-206X
28	Analysis and Applications	0219-5305
29	Analysis and Geometry in Metric Spaces	2299-3274
30	Analysis and Mathematical Physics	1664-2368
31	Analysis Mathematica	0133-3852
32	Annales de l'Institut Fourier	0373-0956
33	Annales de l'Institut Henri Poincare-Analyse Non Lineaire	0294-1449
34	Annales de l'Institut Henri Poincare-Probabilites et Statistiques	0246-0203
35	Annales Henri Poincare	1424-0637
36	Annales Polonici Mathematici	0066-2216
37	Annales Scientifiques de l'Ecole Normale Superieure	0012-9593

#	학술지명	P-ISSN
38	Annali Della Scuola Normale Superiore di Pisa-Classe di Scienze	0391-173X
39	Annali di Matematica Pura ed Applicata	0373-3114
40	Annals of Applied Probability	1050-5164
41	Annals of Combinatorics	0218-0006
42	Annals of Global Analysis and Geometry	0232-704X
43	Annals of Mathematics	0003-486X
44	Annals of PDE	2524-5317
45	Annals of Probability	0091-1798
46	Annals of Pure and Applied Logic	0168-0072
47	Annals of the Institute of Statistical Mathematics	0020-3157
48	Applied Mathematics Letters	0893-9659
49	Archiv der Mathematik	0003-889X
50	Archive for Mathematical Logic	0933-5846
51	Archive for Rational Mechanics and Analysis	0003-9527
52	Arkiv for Matematik	0004-2080
53	ARS Mathematica Contemporanea	1855-3966
54	Asian Journal of Mathematics	1093-6106
55	Asterisque	0303-1179
56	Asymptotic Analysis	0921-7134
57	Banach Journal of Mathematical Analysis	2662-2033
58	Banach Journal of Mathematical Analysis	1735-8787
59	Bernoulli	1350-7265
60	Brazilian Journal of Probability and Statistics	0103-0752
61	Bulletin de la Societe Mathematique de France	0037-9484
62	Bulletin des Sciences Mathematiques	0007-4497
63	Bulletin of Mathematical Sciences	1664-3607
64	Bulletin of Symbolic Logic	1079-8986
65	Bulletin of the American Mathematical Society	0273-0979
66	Bulletin of the Australian Mathematical Society	0004-9727
67	Bulletin of the Brazilian Mathematical Society	1678-7544
68	Bulletin of the Korean Mathematical Society	1015-8634
69	Bulletin of the London Mathematical Society	0024-6093
70	Calculus of Variations and Partial Differential Equations	0944-2669
71	Cambridge Journal of Mathematics	2168-0930
72	Canadian Journal of Mathematics-Journal Canadien de Mathematiques	0008-414X
73	Canadian Mathematical Bulletin-Bulletin Canadien de Mathematiques	0008-4395
74	Chaos	1054-1500
75	Chinese Annals of Mathematics Series B	0252-9599
76	Collectanea Mathematica	0010-0757
77	Colloquium Mathematicum	0010-1354

#	학술지명	P-ISSN
78	Combinatorica	0209-9683
79	Combinatorics Probability & Computing	0963-5483
80	Commentarii Mathematici Helvetici	0010-2571
81	Communications in Algebra	0092-7872
82	Communications in Analysis and Geometry	1019-8385
83	Communications in Contemporary Mathematics	0219-1997
84	Communications in Mathematical Physics	0010-3616
85	Communications in Mathematical Sciences	1539-6746
86	Communications in Number Theory and Physics	1931-4523
87	Communications in Partial Differential Equations	0360-5302
88	Communications on Pure and Applied Analysis	1534-0392
89	Communications on Pure and Applied Mathematics	0010-3640
90	Complex Analysis and Operator Theory	1661-8254
91	Complex Variables and Elliptic Equations	1747-6933
92	Compositio Mathematica	0010-437X
93	Comptes Rendus Mathematique	1631-073X
94	Cryptography and Communications-Discrete-Structures Boolean Functions and Sequences	1936-2447
95	Designs Codes and Cryptography	0925-1022
96	Differential and Integral Equations	0893-4983
97	Differential Geometry and its Applications	0926-2245
98	Discrete & Computational Geometry	0179-5376
99	Discrete Analysis	2397-3129
100	Discrete and Continuous Dynamical Systems	1078-0947
101	Discrete and Continuous Dynamical Systems-Series B	1531-3492
102	Discrete and Continuous Dynamical Systems-Series S	1937-1632
103	Discrete Applied Mathematics	0166-218X
104	Discrete Mathematics	0012-365X
105	Dissertationes Mathematicae	0012-3862
106	Documenta Mathematica	1431-0643
107	Doklady Mathematics	1064-5624
108	Duke Mathematical Journal	0012-7094
109	Electronic Communications in Probability	1083-589X
110	Electronic Journal of Combinatorics	1077-8926
111	Electronic Journal of Differential Equations	1072-6691
112	Electronic Journal of Probability	1083-6489
113	Ergodic Theory and Dynamical Systems	0143-3857
114	European Journal of Combinatorics	0195-6698
115	Evolution Equations and Control Theory	2163-2480
116	Experimental Mathematics	1058-6458
117	Expositiones Mathematicae	0723-0869

#	학술지명	P-ISSN
118	Finance and Stochastics	0949-2984
119	Finite Fields and Their Applications	1071-5797
120	Forum Mathematicum	0933-7741
121	Forum of Mathematics Pi	2050-5086
122	Forum of Mathematics Sigma	2050-5094
123	Foundations of Computational Mathematics	1615-3375
124	Functional Analysis and its Applications	0016-2663
125	Fundamenta Mathematicae	0016-2736
126	Fuzzy Sets and Systems	0165-0114
127	Geometriae Dedicata	0046-5755
128	Geometric and Functional Analysis	1016-443X
129	Geometry & Topology	1465-3060
130	Glasgow Mathematical Journal	0017-0895
131	Graphs and Combinatorics	0911-0119
132	Groups Geometry and Dynamics	1661-7207
133	Hiroshima Mathematical Journal	0018-2079
134	Hokkaido Mathematical Journal	0385-4035
135	Homology Homotopy and Applications	1532-0073
136	Houston Journal of Mathematics	0362-1588
137	Indagationes Mathematicae-New Series	0019-3577
138	Indiana University Mathematics Journal	0022-2518
139	Infinite Dimensional Analysis Quantum Probability and Related Topics	0219-0257
140	Insurance Mathematics & Economics	0167-6687
141	Integral Equations and Operator Theory	0378-620X
142	Integral Transforms and Special Functions	1065-2469
143	Interfaces and Free Boundaries	1463-9963
144	International Journal of Algebra and Computation	0218-1967
145	International Journal of Mathematics	0129-167X
146	International Journal of Number Theory	1793-0421
147	International Journal of Quantum Information	0219-7499
148	International Mathematics Research Notices	1073-7928
149	Inventiones Mathematicae	0020-9910
150	Inverse Problems	0266-5611
151	Israel Journal of Mathematics	0021-2172
152	Izvestiya Mathematics	1064-5632
153	Japanese Journal of Mathematics	0289-2316
154	Journal d Analyse Mathematique	0021-7670
155	Journal de l'Ecole Polytechnique-Mathematiques	2429-7100
156	Journal de Mathematiques Pures et Appliquees	0021-7824
157	Journal fur die Reine und Angewandte Mathematik	0075-4102
158	Journal of Algebra	0021-8693

#	학술지명	P-ISSN
159	Journal of Algebra and its Applications	0219-4988
160	Journal of Algebraic Combinatorics	0925-9899
161	Journal of Algebraic Geometry	1056-3911
162	Journal of Applied PROBABILITY	0021-9002
163	Journal of Approximation Theory	0021-9045
164	Journal of Combinatorial Theory Series A	0097-3165
165	Journal of Combinatorial Theory Series B	0095-8956
166	Journal of Convex Analysis	0944-6532
167	Journal of Cryptology	0933-2790
168	Journal of Differential Equations	0022-0396
169	Journal of Differential Geometry	0022-040X
170	Journal of Dynamics and Differential Equations	1040-7294
171	Journal of Evolution Equations	1424-3199
172	Journal of Fixed Point Theory and Applications	1661-7738
173	Journal of Fourier Analysis and Applications	1069-5869
174	Journal of Functional Analysis	0022-1236
175	Journal of Geometric Analysis	1050-6926
176	Journal of Geometry and Physics	0393-0440
177	Journal of Graph Theory	0364-9024
178	Journal of Graph Theory	1433-5883
179	Journal of Homotopy and Related Structures	2193-8407
180	Journal of Hyperbolic Differential Equations	0219-8916
181	Journal of Integral Equations and Applications	0897-3962
182	Journal of Knot Theory and its Ramifications	0218-2165
183	Journal of Lie Theory	0949-5932
184	Journal of Mathematical Analysis and Applications	0022-247X
185	Journal of Mathematical Fluid Mechanics	1422-6928
186	Journal of Mathematical Logic	0219-0613
187	Journal of Mathematical Physics	0022-2488
188	Journal of Modern Dynamics	1930-5311
189	Journal of Noncommutative Geometry	1661-6952
190	Journal of Nonlinear and Convex Analysis	1345-4773
191	Journal of Nonlinear Science	0938-8974
192	Journal of Number Theory	0022-314X
193	Journal of Operator Theory	0379-4024
194	Journal of Pseudo-Differential Operators and Applications	1662-9981
195	Journal of Pure and Applied Algebra	0022-4049
196	Journal of Spectral Theory	1664-039X
197	Journal of Statistical Physics	0022-4715
198	Journal of Symbolic Logic	0022-4812

#	학술지명	P-ISSN
199	Journal of Symplectic Geometry	1527-5256
200	Journal of the American Mathematical Society	0894-0347
201	Journal of the Australian Mathematical Society	1446-7887
202	Journal of the European Mathematical Society	1435-9855
203	Journal of the Institute of Mathematics of Jussieu	1474-7480
204	Journal of the Korean Mathematical Society	0304-9914
205	Journal of the London Mathematical Society-Second Series	0024-6107
206	Journal of the Mathematical Society of Japan	0025-5645
207	Journal of Theoretical Probability	0894-9840
208	Journal of Topology	1753-8416
209	Journal of Topology and Analysis	1793-5253
210	Kinetic and Related Models	1937-5093
211	Kodai Mathematical Journal	0386-5991
212	Kyoto Journal of Mathematics	2156-2261
213	Kyushu Journal of Mathematics	1340-6116
214	Lecture Notes in Mathematics	0075-8434
215	Letters in Mathematical Physics	0377-9017
216	Linear & Multilinear Algebra	0308-1087
217	Linear Algebra and its Applications	0024-3795
218	Logic Journal of the IGPL	1367-0751
219	Manuscripta Mathematica	0025-2611
220	Mathematica Scandinavica	0025-5521
221	Mathematical Inequalities & Applications	1331-4343
222	Mathematical Logic Quarterly	0942-5616
223	Mathematical Models & Methods in Applied Sciences	0218-2025
224	Mathematical Physics Analysis and Geometry	1385-0172
225	Mathematical Proceedings of the Cambridge Philosophical Society	0305-0041
226	Mathematical Research Letters	1073-2780
227	Mathematics of Computation	0025-5718
228	Mathematika	0025-5793
229	Mathematische Annalen	0025-5831
230	Mathematische Nachrichten	0025-584X
231	Mathematische Zeitschrift	0025-5874
232	Mediterranean Journal of Mathematics	1660-5446
233	Memoirs of the American Mathematical Society	0065-9266
234	Michigan Mathematical Journal	0026-2285
235	Milan Journal of Mathematics	1424-9286
236	Monatshefte für Mathematik	0026-9255
237	Nagoya Mathematical Journal	0027-7630
238	New York Journal of Mathematics	1076-9803

#	학술지명	P-ISSN
239	NODEA-Nonlinear Differential Equations and Applications	1021-9722
240	Nonlinear Analysis-Real World Applications	1468-1218
241	Nonlinear Analysis-Theory Methods & Applications	0362-546X
242	Nonlinearity	0951-7715
243	Notre Dame Journal of Formal Logic	0029-4527
244	Open Mathematics	2391-5455
245	Operators and Matrices	1846-3886
246	Order-A Journal on the Theory of Ordered Sets and its Applications	0167-8094
247	Osaka Journal of Mathematics	0030-6126
248	Pacific Journal of Mathematics	0030-8730
249	Physica D-Nonlinear Phenomena	0167-2789
250	Positivity	1385-1292
251	Potential Analysis	0926-2601
252	Probability Theory and Related Fields	0178-8051
253	Problems of Information Transmission	0032-9460
254	Proceedings of the American Mathematical Society	0002-9939
255	Proceedings of the Edinburgh Mathematical Society	0013-0915
256	Proceedings of the Japan Academy Series A-Mathematical Sciences	0386-2194
257	Proceedings of the London Mathematical Society	0024-6115
258	Proceedings of the Royal Society of Edinburgh Section A-Mathematics	0308-2105
259	Proceedings of the Steklov Institute of Mathematics	0081-5438
260	Publicationes Mathematicae Debrecen	0033-3883
261	Publications Mathematiques	0214-1493
262	Publications Mathematiques de l'IHES	0073-8301
263	Publications of the Research Institute for Mathematical Sciences	0034-5318
264	Pure and Applied Mathematics Quarterly	1558-8599
265	Quaestiones Mathematicae	1607-3606
266	Quantum Information Processing	1570-0755
267	Quantum Topology	1663-487X
268	Quarterly Journal of Mathematics	0033-5606
269	Quarterly Journal of Mechanics and Applied Mathematics	0033-5614
270	Quarterly of Applied Mathematics	0033-569X
271	Ramanujan Journal	1382-4090
272	Random Matrices-Theory and Applications	2010-3263
273	Random Structures & Algorithms	1042-9832
274	Reports on Mathematical Physics	0034-4877
275	Results in Mathematics	1422-6383
276	Review of Symbolic Logic	1755-0203
277	Reviews in Mathematical Physics	0129-055X
278	Revista de la Real Academia de Ciencias Exactas Fisicas y Naturales Serie A-Matematicas	1578-7303

#	학술지명	P-ISSN
279	Revista Matematica Complutense	1139-1138
280	Revista Mathematica Iberoamericana	0213-2230
281	Ricerche di Matematica	0035-5038
282	Rocky Mountain Journal of Mathematics	0035-7596
283	Russian Mathematical Surveys	0036-0279
284	Sbornik Mathematics	1064-5616
285	Science China-Mathematics	1674-7283
286	Selecta Mathematica-New Series	1022-1824
287	Semigroup Forum	0037-1912
288	SIAM Journal on Applied Algebra and Geometry	2470-6566
289	SIAM Journal on Computing	0097-5397
290	SIAM Journal on Discrete Mathematics	0895-4801
291	SIAM Journal on Imaging Sciences	1936-4954
292	SIAM Journal on Mathematical Analysis	0036-1410
293	SIAM Journal on Mathematics of Data Science	2577-0187
294	SIAM Review	0036-1445
295	St Petersburg Mathematical Journal	1061-0022
296	Statistics & Probability Letters	0167-7152
297	Stochastic Analysis and Applications	0736-2994
298	Stochastic Models	1532-6349
299	Stochastic Processes and Their Applications	0304-4149
300	Stochastics and Dynamics	0219-4937
301	Stochastics and Partial Differential Equations-Analysis and Computations	2194-0401
302	Stochastics-An International Journal of Probability and Stochastic Processes	1744-2508
303	Studia Logica	0039-3215
304	Studia Mathematica	0039-3223
305	Studia Scientiarum Mathematicarum Hungarica	0081-6906
306	Studies in Applied Mathematics	0022-2526
307	Symmetry Integrability and Geometry-Methods and Applications	1815-0659
308	Taiwanese Journal of Mathematics	1027-5487
309	Theory of Probability and its Applications	0040-585X
310	Tohoku Mathematical Journal	0040-8735
311	Tokyo Journal of Mathematics	0387-3870
312	Topology and its Applications	0166-8641
313	Transactions of the American Mathematical Society	0002-9947
314	Transformation Groups	1083-4362
315	Turkish Journal of Mathematics	1300-0098
316	ZAMM-Zeitschrift für Angewandte Mathematik und Mechanik	0044-2267
317	Zeitschrift für Analysis und Ihre Anwendungen	0232-2064
318	Zeitschrift für Angewandte Mathematik und Physik	0044-2275



## [부록 1-1] 수확분야 권장학술지 목록 (acknowledgeable/allowable journal list) 작성 경과

- 추진경과 : 2023년 6월부터 7개월간 10차례 회의를 진행하였으며, 9명 전체 연구원은 건전하고 공정한 학술생태계를 국내 수학계에 조성하는 방안에 대하여 다양한 관점의 의견들을 적극 개진하며 문제의 본질과 해결방안에 대한 심도 있는 토론으로 참여하였음.

### (2023년 6월 30일) 1차회의

- 부실의심학술지 선별기준과 정의 논의
- 부실의심학술지 관리 및 실천방안 논의

### (2023년 7월 28일) 2차회의

- 부실의심학술지 기준 및 화이트리스트(Allow 리스트, 권장 저널 리스트) 선별방법 논의
- 폴란드, 호주, 이탈리아, 중국에서 오픈한 평가지표 자료 참조

### (2023년 8월 25일) 3차 회의

- 현재 승진, 승봉의 연구업적평가 설문 결과 거의 모든 대학이 선별과정 없이 SCI순위만 고려함을 확인
- 학술지 Allow 리스트 마련 논의
- JCR list 안에서 분과별로 allow 랭킹순 리스트를 상위 25%(정도)와 상위 75%(정도)을 받기로 함.
- 향후 마련할 학술지 화이트 리스트는 연구재단에서 활용 가능
- 분과별 학술지 Allow 리스트 마련 진행 경과
  - 대한수학회 분과위원장을 통해 9개 분과별 white list 접수
- 분과별 위원장 협조 요청 메일 보냄.

### (2023년 9월 25일) 4차 회의

- 승진, 승봉의 연구업적평가 설문 결과 완료: 거의 모든 대학이 선별과정 없이 SCI순위만 고려함을 확인. 학술지 Allow 리스트 필요성 재확인
- 학술지 Allow 리스트 분과별 의견 받음.

### (2023년 10월 20일) 5차 회의

- 부실의심학술지 출판에 대한 인식 및 개선 방향에 관한 전체 대한수학회 회원 설문 결과 학술지 White 리스트 필요성 재확인
- 학술지 White 리스트 선별과정 및 진행상황 논의
  - White 리스트를 만들어 회원에게 공유하고 학술 건전성 강화 분위기 조성

### (2023.10.27.) 대한수학회 분과위원장 모임

- 부실의심학술지 출판 예방을 위한 학술지 리스트 논의

- 암호학 분과는 논의를 거쳐 참여하지 않기로 최종 결정
- JCR IF 2018-2022 통합하여 기초자료 list 마련 후 이를 통해 list 안에서만 분과별로 allow 랭킹 순 리스트를 분과내에서 전문가의견을 모아 상위 25%(정도)와 상위 75%(정도)을 받기로 함.

**(2023년 11월 3일) 6차 회의**

- 분과위원장 회의 개최(10/27(금) 서울대 25동 103호)
  - IF 2018-2022 통합문서 참고하여 분과별 화이트 리스트 재요청(~11/20)
- 학술지 White 리스트
  - 화이트리스트는 2~3년마다 갱신이 필요하며, 갱신을 위해 리스트 제작 기준 마련이 필요함.

**(2023년 11월 24일) 7차 회의**

- 대한수학회 분과별 권장 학술지 점검(기초자료: SCIE IF 5년간 평균)
  - 최근 해외에서 발표한 학술지 블랙리스트를 확인하여 권장 학술지 리스트에 반영
  - 최종 리스트 결정하기전 분과위원회의 회람

**(2023년 12월 5일) 추가 회의**

- Mathematical & Comput. Biology와 Interdiscip. Appl. of Math. 제외 논의

**(2023년 12월 11일) 8차 회의**

- 권장 학술지 최종 리스트 점검 : 논문 추가 및 삭제, Mathematical & Comput. Biology와 Interdiscip. Appl. of Math. 제외 확정

**(2023년 12월 15일) 수학기분야 건전성 강화 포럼**

**(2023년 12월 19일) 9차 회의**

- 권장 학술지 최종 리스트 점검 : 최종 리스트 논의/확정. 최종 리스트는 분과위원회에 회람하기로 함.

**(2024년 1월 8일) 10차 회의**

- 최종 리스트 분과위원회 회람, 지난 12월 29일에 한국산업응용수학회에 요청한 응용수학기분야 권장 학술지 목록을 추후 재심의하여 최종 보고서에 반영하기로 함.

**(2024년 1월 11일)**

- 한국산업응용수학회 "권장학술지 리스트 작성에 대한 한국산업응용수학회의 입장" 공문 대한 수학회에 송부

**(2024년 1월 16일) 11차 회의**

- 대한수학회 응용수학기분야(위원장, 위원)와 한국산업응용수학회의 의견을 참조하여 응용수학기분야는 최종보고서 내 권장 학술지 목록에 포함하지 않기로 함.