Analyzing Deep Learning Research Trends Using Knowledge Mining.

Results

	A	B	C	D
1	**Title**	**Year**	**Journal**	**Citations**
2	Application of deep learning algor	1/1/2026	Skeletal Radiology	0
3	The Common Curricular Base and	12/18/2025	Encontros Bibli	0
4	Deep learning in flower quantifica	12/10/2025	Acta Scientiarum - Technolc	0
5	Perceived Information Revisited II	12/9/2025	IACR Transactions on Crypto	0
6	Vision Mamba and xLSTM-UNet fo	12/1/2025	Scientific Reports	0
7	Predicting triage of pediatric patie	12/1/2025	International Journal of Eme	0
8	Rolling bearing remaining useful l	12/1/2025	Scientific Reports	0
9	SignEdgeLVM transformer model f	12/1/2025	Discover Computing	0
10	An intelligent ransomware based	12/1/2025	Scientific Reports	0
11	Pixel level deep reinforcement lear	12/1/2025	Scientific Reports	0
12	Artificial intelligence-driven transl	12/1/2025	Journal of Translational Me	0
13	Assessing and developing college	12/1/2025	International Journal of Edu	0
14	Convolutional block attention gate	12/1/2025	BMC Medical Imaging	0
15	Myocardial perfusion imaging SPE	12/1/2025	EJNMMI Physics	0
16	CPHNet: a novel pipeline for anti-H	12/1/2025	Respiratory Research	0
17	Electrochemical ohmic memristor	12/1/2025	Nature Communications	0
18	Prediction of particulate matter PM	12/1/2025	Journal of Air Pollution and	0
19	Identification of enterotype for pat	12/1/2025	Journal of Translational Me	0
20	A large-scale open image dataset	12/1/2025	Scientific Data	0
21	A multi-dilated convolution netwo	12/1/2025	Scientific Reports	0
22	A novel approach for the detection	12/1/2025	Scientific Reports	0
23	A vehicle trajectory prediction moc	12/1/2025	Scientific Reports	0
24	Precise engineering of gene expres	12/1/2025	Genome Biology	0
25	Linear attention based spatiotemp	12/1/2025	Scientific Reports	1
26	Leveraging large language models	12/1/2025	Scientific Reports	0

Results

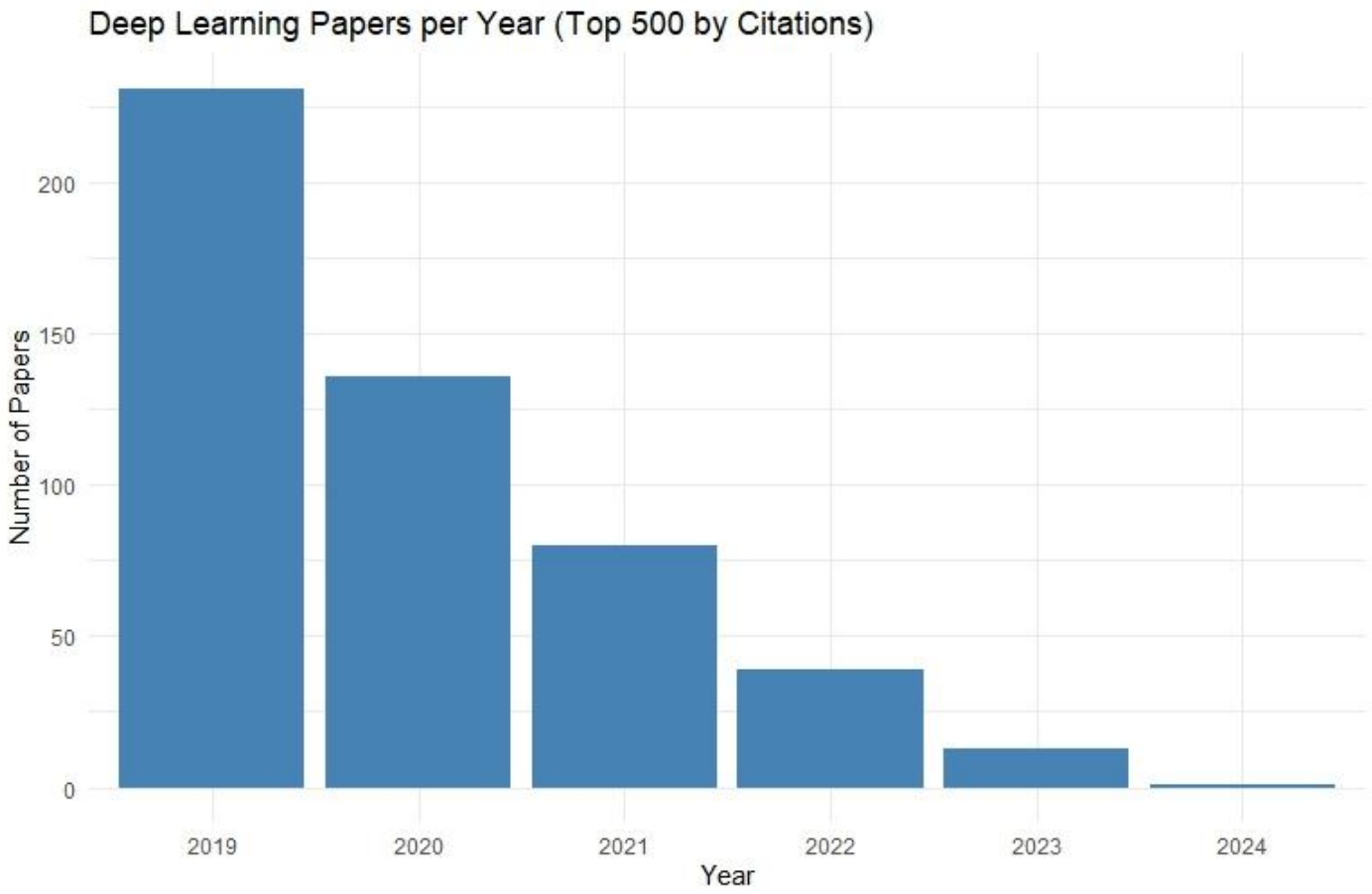
	Title	Year	Journal	Citations
2	PyTorch: An imperative styl	2019	Advances in Neural Informa	29771
3	Highly accurate protein stru	2021	Nature	22473
4	Exploring the limits of trans	2020	Journal of Machine Learnin	11061
5	Generative adversarial netv	2020	Communications of the ACI	9368
6	Physics-informed neural ne	2019	Journal of Computational P	8792
7	A survey on Image Data Aug	2019	Journal of Big Data	8470
8	A style-based generator arc	2019	Proceedings of the IEEE Con	7059
9	A Comprehensive Survey on	2021	IEEE Transactions on Neura	6265
10	Explainable Artificial Intelli	2020	Information Fusion	5458
11	Generalized intersection ov	2019	Proceedings of the IEEE Con	4781
12	Review of deep learning: co	2021	Journal of Big Data	4535
13	nnU-Net: a self-configuring	2021	Nature Methods	4495
14	A ConvNet for the 2020s	2022	Proceedings of the IEEE Con	4397
15	Deep high-resolution repre	2019	Proceedings of the IEEE Con	4167
16	BioBERT: A pre-trained bion	2020	Bioinformatics	3985
17	Object Detection with Deep	2019	IEEE Transactions on Neura	3958
18	High-performance medicin	2019	Nature Medicine	3849
19	A review of recurrent neural	2019	Neural Computation	3654
20	Physics-informed machine	2021	Nature Reviews Physics	3644
21	Graph neural networks: A re	2020	AI Open	3601
22	Accurate prediction of prote	2021	Science	3173
23	Gastric cancer	2020	The Lancet	3151
24	Pointpillars: Fast encoders	2019	Proceedings of the IEEE Con	3074
25	Deep learning and process	2019	Nature	3010
26	SignalP 5.0 improves signal	2019	Nature Biotechnology	3007
27	Machine Learning: Algorithı	2021	SN Computer Science	2909
28	Deep High-Resolution Repre	2021	IEEE Transactions on Patter	2891
29	Deepsdf: Learning continuc	2019	Proceedings of the IEEE Con	2746
30	Neural graph collaborative	2019	SIGIR 2019 - Proceedings of	2697
31	Image Segmentation Using	2022	IEEE Transactions on Patter	2634
32	Selective kernel networks	2019	Proceedings of the IEEE Con	2603
33	A guide to deep learning in	2019	Nature Medicine	2535
34	A Survey on Bias and Fairne	2022	ACM Computing Surveys	2411
35	Deep learning for time serie	2019	Data Mining and Knowledge	2356
36	Mnasnet: Platform-aware n	2019	Proceedings of the IEEE Con	2260
37	A Survey of Convolutional N	2022	IEEE Transactions on Neura	2252

top_500_deep_learning_2019_onwa

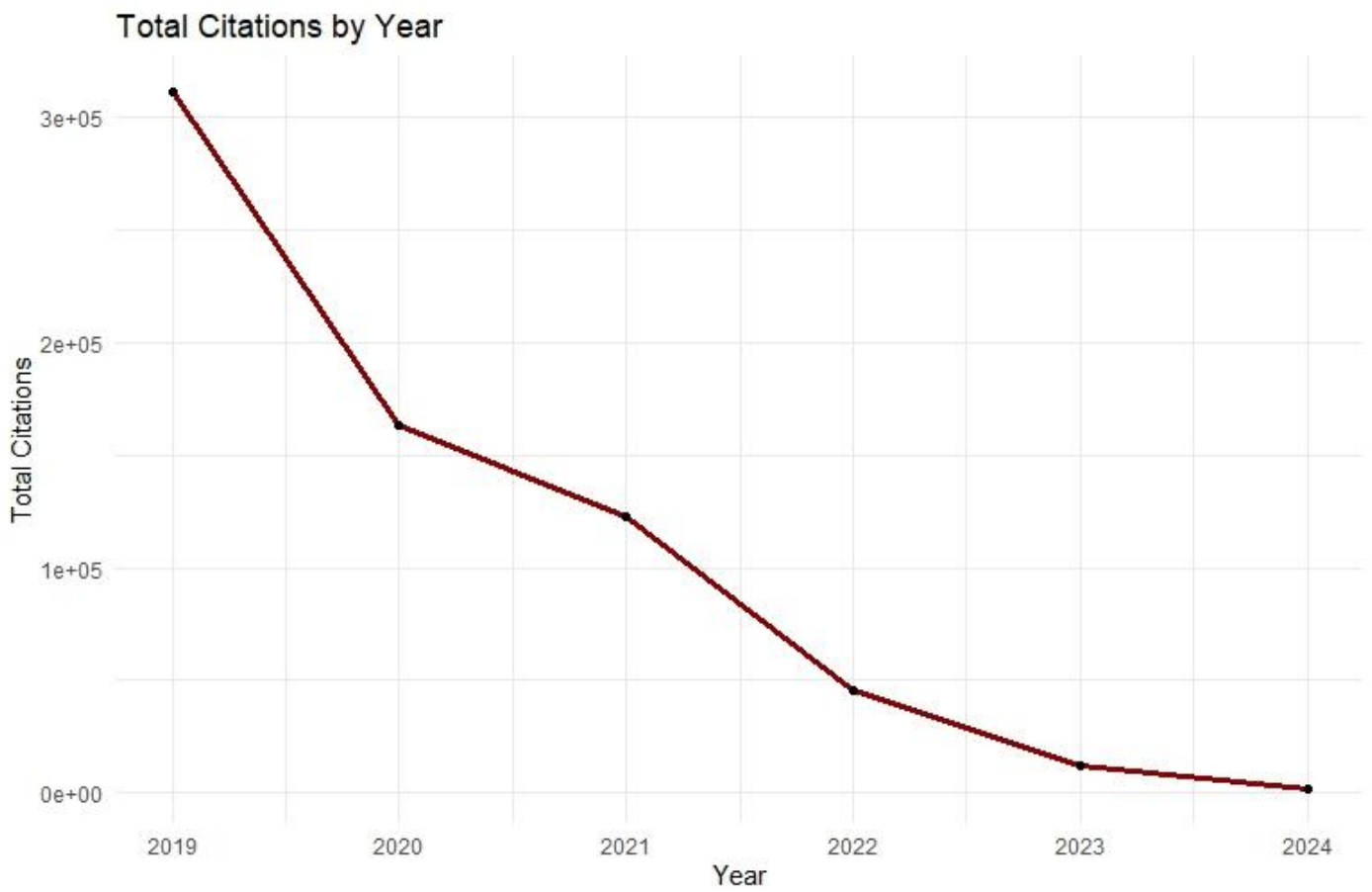
Results

```
> summary(df)
    Title              Year              Journal
 Length:500         Length:500         Length:500
 Class :character   Class :character   Class :character
 Mode  :character   Mode  :character   Mode  :character



   Citations
 Min.    :  578.0
 1st Qu.:  688.8
 Median :  878.5
 Mean   : 1313.5
 3rd Qu.: 1323.2
 Max.   :29771.0
> 
```

Results


Deep Learning Papers per Year (Top 500 by Citations)
Number of Papers
200
150
100
50
0
2019
2020
2021
2022
2023
2024
Year

Results


Total Citations by Year
3e+05
2e+05
1e+05
0e+00
Total Citations
2019
2020
2021
2022
2023
2024
Year

What’s Next?

- Topic Model
- Regression model
- Research trend