Supplementary

Table S1 Detailed search strategy of lung cancer and epigenetics

	Search Query	Description
#1	TS=("lung tumor*" OR "lung tumour*" OR "lung cancer*" OR "lung neoplasm*" OR "lung carcinoma" OR "lung squamous cell carcinoma" OR "pulmonary neoplasm*" OR "lung adenocarcinoma" OR "adenocarcinoma of lung" OR "NSCLC" OR "non-small cell lung cancer" OR "non-small cell lung carcinoma" OR "non-small lung cancer" OR "large cell lung cancer" OR "small-cell lung cancer" OR "SCLC" OR "small-cell lung carcinoma" OR "bronchial neoplasm*")	Lung cancer-related terms to identify relevant publications in the field of lung cancer
#2	TS=("epigenetic" OR "DNA methylation" OR "chromatin remodeling" OR "genomic imprinting" OR "histone glycosylation" OR "histone acetylation" OR "histone modification" OR "histone phosphorylation" OR "ubiquitination of histone" OR "histone methylation" OR "RNA methylation" OR "lncRNA" OR "antisense RNA" OR "microRNA" OR "miRNA" OR "pri-miRNAs" OR "tiny RNA" OR "RNA modification" OR "non-coding RNA" OR "RNA hydroxymethylation" OR "riboswitch" OR "RNA acetylation")	Epigenetic-related terms to capture studies on various molecular mechanisms
#3	#1 AND #2	Combination of lung cancer and epigenetics search terms to identify relevant studies specifically focusing on both lung cancer and epigenetic mechanisms

Table S2 Publication and citation profiles of leading countries

Country	Articles	Freq	SCP	MCP	MCP_Ratio	TP	TP_rank	TC	TC_rank	Average Citations
China	8935	0.737	8359	576	0.064	27397	1	218288	1	24.4
USA	928	0.077	604	324	0.349	5379	2	38840	2	41.9
Japan	275	0.023	234	41	0.149	1097	5	7185	3	26.1
Korea	231	0.019	194	37	0.16	1001	6	5887	5	25.5
Germany	182	0.015	120	62	0.341	1172	3	6041	4	33.2
Italy	178	0.015	116	62	0.348	1130	4	4163	6	23.4
India	176	0.015	136	40	0.227	537	10	2867	9	16.3
Iran	135	0.011	102	33	0.244	617	8	2270	11	16.8
Spain	94	0.008	53	41	0.436	640	7	3138	8	33.4
UK	83	0.007	30	53	0.639	566	9	3920	7	47.2
Canada	81	0.007	42	39	0.481	532	11	2565	10	31.7
Poland	74	0.006	63	11	0.149	321	14	1205	15	16.3
Australia	52	0.004	24	28	0.538	404	12	1539	13	29.6
France	52	0.004	27	25	0.481	381	13	2109	12	40.6
Turkey	44	0.004	36	8	0.182	161	20	677	21	15.4
Egypt	39	0.003	23	16	0.41	175	18	833	17	21.4
Netherlands	35	0.003	13	22	0.629	213	16	796	18	22.7
Brazil	33	0.003	22	11	0.333	163	19	588	22	17.8
Sweden	33	0.003	16	17	0.515	188	17	529	23	16
Greece	32	0.003	17	15	0.469	133	24	680	20	21.2

Articles, Publications of Corresponding Authors only; Freq, Frequency of Total Publications; MCP_Ratio, Proportion of Multiple Country Publications; TP, Total Publications; TP_rank, Rank of Total Publications; TC, Total Citations; TC_rank, Rank of Total Citations; Average Citations, The average number of citations per publication.

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https://dx.doi.org/10.21037/jtd-2025-684

Table S3 Bibliometric indicators of high-impact journals

Journal	H_index	G_index	M_index	IF 2023	JCR 2023	TP	TP_rank	TC	TC_rank	PY_start
Oncotarget	67	93	6.7	NA	NA	409	1	12244	2	2015
Tumor Biology	49	72	4.9	NA	NA	135	15	4599	19	2015
Biomedicine & Pharmacotherapy	47	63	4.7	6.9	1	148	10	4117	24	2015
Cell Death & Disease	45	67	4.5	8.1	1	120	19	4703	18	2015
Scientific Reports	45	67	4.5	3.8	1	255	3	5587	12	2015
Biochemical and Biophysical Research Communications	43	65	4.3	2.5	3	128	17	5206	13	2015
Molecular Cancer	43	64	4.3	27.7	1	64	41	6034	11	2015
Nature Communications	43	71	4.3	14.7	1	71	40	4541	21	2015
Cellular Physiology and Biochemistry	41	59	4.1	2.5	2	82	33	2681	42	2015
Oncogene	39	66	3.9	6.9	1	84	31	9727	6	2015
Cancer Letters	38	71	3.8	9.1	1	77	34	5097	14	2015
Cancer Research	37	58	3.7	12.5	1	77	35	13177	1	2015
Oncology Reports	37	51	3.7	3.8	2	188	7	4438	22	2015
Oncotargets and Therapy	37	51	3.7	2.7	3	177	8	3106	35	2015
European Review for Medical and Pharmacological Sciences	36	52	3.6	NA	NA	223	4	3467	30	2015
Journal of Cellular Physiology	36	56	3.6	4.5	1	76	37	2618	43	2015
Oncology Letters	36	48	3.6	2.5	3	350	2	3874	25	2015
Journal of Cellular and Molecular Medicine	35	55	3.5	4.3	2	85	30	1942	55	2015
Journal of Experimental & Clinical Cancer Research	34	54	3.4	11.4	1	60	45	2923	39	2015
PLoS One	34	48	3.4	2.9	1	140	14	11963	3	2015

H_index, The h-index of the journal, which measures both the productivity and citation impact of the publications; IF, Impact Factor, indicating the average number of citations to recent articles published in the journal; JCR_Quartile, The quartile ranking of the journal in the Journal Citation Reports, indicating the journal's ranking relative to others in the same field (Q1: top 25%, Q2: 25%-50%, Q3: 50%-75%, Q4: bottom 25%); TP, Total Publications; TP_rank, Rank of Total Publications; TC, Total Citations; TC_rank, Rank of Total Citations; Average Citations, The average number of citations per publication; PY_start, Publication Year Start, indicating the year the journal started publication.

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Table S4 Publication and citation profiles of high-impact authors

Author	h_index	g-index	m-index	PY_start	TP	TP_Frac	TP_rank	TC	TC_rank
Li Y	50	73	5	2015	253	34.59	5	7861	2
Zhang Y	48	73	4.8	2015	309	43.48	1	8470	1
Li J	46	74	4.6	2015	254	32.87	4	7554	4
Liu Y	46	72	4.6	2015	220	31.63	6	7006	6
Wang J	46	67	4.6	2015	282	38.1	3	7614	3
Wang Y	43	66	4.3	2015	300	43.09	2	7117	5
Chen X	40	72	4	2015	140	22.08	13	5752	7
Zhang J	40	57	4	2015	206	29.87	7	5019	10
Zhang L	40	66	4	2015	193	27.93	9	5705	8
Wang L	39	59	3.9	2015	194	28.64	8	4845	11
Li X	38	65	3.8	2015	150	18.82	10	5095	9
Li L	36	53	3.6	2015	148	22.04	11	3774	15
Li W	36	53	3.6	2015	94	12.38	20	3234	19
Chen J	35	52	3.5	2015	126	15.39	16	3579	16
Chen Y	34	56	3.4	2015	141	21.04	12	3984	13
Wang X	34	66	3.4	2015	137	17.4	14	4810	12
Zhang X	34	58	3.4	2015	117	15.25	17	3811	14
Chen L	33	56	3.3	2015	109	14.24	19	3473	17
Li H	33	47	3.3	2015	133	17.61	15	3103	20
Liu J	33	54	3.3	2015	117	15.83	17	3392	18

H_index, The h-index of the journal, which measures both the productivity and citation impact of the publications; g_index, The g-index of the journal, which gives more weight to highly-cited articles; m_index, The m-index of the journal, which is the h-index divided by the number of years since the first published paper; TP, Total Publications; TP_rank, Rank of Total Publications; TC, Total Citations; TC_rank, Rank of Total Citations; Average Citations, The average number of citations per publication; PY_start, Publication Year Start, indicating the year the journal started publication.

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