

## Bibliometric analysis of ALI/ARDS

**Supplementary Table 1.** The analytic consequence of 159 keywords with at least 75 occurrence times

No.	Label	Cluster	Links	Occurrences	Average appearing years (AAY)	Average citations
1	activation	2	145	909	2004.2211	14.9021
2	acute kidney injury	1	112	81	2015.2469	18.1975
3	acute lung injury	2	158	3696	2009.6794	20.1426
4	acute lung injury (ali)	2	112	110	2015.6909	11.3364
5	acute respiratory distress syndrome	1	156	1387	2004.504	16.4037
6	acute respiratory distress syndrome (ards)	1	129	105	2015.4857	10.181
7	acute respiratory failure	1	89	77	2014.5974	26.1558
8	acute respiratory-distress	1	129	100	1974.4	17.35
9	adult	1	108	113	2014.6195	23.2566
10	adult patients	1	87	75	2014.8667	20.1867
11	adults	1	103	115	2014.7217	19.7739
12	ali	2	135	144	2014.8333	14.5417
13	alpha	2	103	93	2014.8387	18.2366
14	alveolar fluid clearance	2	95	87	2014.7126	24.5172
15	alveolar macrophages	2	100	131	2014.3359	19.0076
16	alveolar recruitment	1	61	76	2013.1842	16.9474
17	animal-models	2	119	112	2013.9911	14.9554
18	apoptosis	2	128	465	2006.5462	13.686
19	ards	1	158	1166	2011.2316	17.6535
20	berlin definition	1	114	161	2016.2609	22.9255
21	biomarkers	1	106	78	2015.7308	16.2564
22	bronchoalveolar lavage	3	102	77	2013.5195	12.6753
23	cancer	2	113	121	1998.4793	13.2562
24	care	1	115	129	2016.0388	14.3023
25	cells	2	131	563	2011.4245	14.8082
26	children	1	117	188	2003.7234	19.6117
27	clinical-trial	1	128	163	2013.7423	51.4724
28	coagulation	2	104	91	2013.2857	20.8791
29	consensus conference	1	89	78	2013.5641	26.2692
30	corticosteroids	1	114	98	2014.1735	15.2857
31	critical illness	1	93	106	2014.1981	36.0283
32	critically-ill	1	108	83	2013.3253	31.1928
33	critically-ill patients	1	124	245	2005.498	51.2571
34	cytokine	2	113	132	2013.303	19.7955
35	cytokines	2	141	252	2006.1905	14.5437
36	damage	2	95	76	2015.4342	12.5132
37	death	2	111	78	2014.3718	22.8077
38	definition	1	106	115	2015.9565	18.1043
39	definitions	1	123	124	2013.0887	31.6855
40	diagnosis	1	87	84	2014.7143	26.5714
41	disease	2	149	247	2014.5304	22.0729
42	distress-syndrome	1	122	170	2013.3706	25.1118
43	dysfunction	2	144	202	2014.901	19.005
44	ecmo	1	84	125	2015.16	10.632
45	end-expiratory pressure	1	132	437	2013.8673	26.0046
46	endothelial-cells	2	114	184	2013.8641	20.5326

## Bibliometric analysis of ALI/ARDS

47	endotoxin	2	123	228	2013.6184	17.7193
48	epidemiology	1	145	209	2015.488	35.9569
49	epithelial-cells	2	113	177	2013.8927	18.904
50	expression	2	147	1043	2009.0451	14.6577
51	extracorporeal membrane oxygenation	1	99	185	1993.2432	16.1297
52	extracorporeal membrane-oxygenation	1	90	113	2015.5044	15.5398
53	factor-kappa-b	2	90	80	1988.575	16.9375
54	failure	1	144	465	2010.0495	23.8086
55	fibrosis	2	105	128	2014.8828	13.3438
56	gas-exchange	1	97	97	2012.9897	15.8247
57	gene	2	97	81	2014.2222	15.3704
58	gene-expression	2	108	183	2013.9727	20.6557
59	hyperoxia	2	96	94	2014.2021	18.5851
60	identification	2	113	101	2014.5644	22.2673
61	impact	1	101	79	2015.1013	27.6076
62	in-vitro	2	126	237	2014.4515	18.8312
63	in-vivo	2	123	251	2013.5578	25.4502
64	induction	2	101	130	1999.2769	15.0308
65	infection	1	133	177	2002.8927	51.7006
66	inflammation	2	155	1555	2007.3158	14.9659
67	inflammatory response	2	132	186	2014.9892	12.8387
68	inflammatory responses	2	97	77	1988.1039	34.013
69	inhibition	2	128	413	2010.1792	13.6634
70	injury	1	156	517	2010.3346	19.1857
71	intensive-care	1	94	117	2014.9573	19.1624
72	intensive-care-unit	1	105	168	2013.7381	69.631
73	ischemia-reperfusion	2	97	80	2014.325	12.0125
74	ischemia-reperfusion injury	2	102	119	1996.7563	16.8067
75	kappa-b	2	89	128	1999.1875	14.8594
76	kinase	2	94	90	2014.9444	17.9111
77	life-support	1	81	102	2014.6667	36.5392
78	lipopolysaccharide	2	138	642	1999.1059	15.4611
79	lps	2	109	258	2015.376	14.1047
80	lung	2	146	213	2013.5493	16.6901
81	lung injury	2	156	504	2006.8591	12.9901
82	macrophages	2	122	304	2014.9671	19.7434
83	management	1	133	207	1995.3237	13.9179
84	mechanical ventilation	1	158	870	2009.4103	24.8874
85	mechanism	2	104	87	1992.4023	13.8391
86	mechanisms	2	149	366	2014.623	15.2186
87	metaanalysis	1	110	116	2014.9828	24.6983
88	mice	2	142	731	2006.6867	16.2654
89	model	2	152	434	2005.2811	13.371
90	mortality	1	158	799	2012.567	23.7359
91	multicenter	1	100	105	2015.0762	26.3048
92	necrosis-factor-alpha	2	97	79	2013.0759	19.5316
93	neutrophil	2	111	116	1996.9138	16.3879
94	neutrophils	2	126	248	1998.0847	17.0565
95	nf-kappa b	2	101	197	1995.4315	13.0914

## Bibliometric analysis of ALI/ARDS

96	nf-kappa-b	2	120	492	2011.1951	14.6911
97	nitric-oxide	2	125	184	2013.8533	14.7609
98	nitric-oxide synthase	2	105	149	2013.0268	18.4966
99	outcomes	1	146	503	2014.4751	33.4732
100	oxidative stress	2	136	518	2003.5772	12.9595
101	oxygenation	1	118	116	2013.9741	14.3707
102	pathogenesis	2	141	254	2006.7559	17.0748
103	pathophysiology	2	107	82	2014.4512	12.9268
104	pathway	2	113	232	2007.0431	11.7284
105	peep	1	66	78	2014.0385	13.1154
106	permeability	2	124	195	2003.7641	18.3128
107	plasma	1	107	123	2013.8049	25.9268
108	pneumonia	1	146	243	2013.893	17.8724
109	pressure	1	120	160	2014.6	38.1313
110	prevention	1	126	86	2014.5465	17.4651
111	prognosis	1	104	80	1964.45	27.325
112	prone position	1	78	80	2014.3875	12.6125
113	protects	2	101	155	2016.4645	9.329
114	protein	2	116	147	2014.7007	18.6259
115	pulmonary	1	148	213	2014.2676	17.7606
116	pulmonary edema	2	116	96	2013.2917	28.0938
117	pulmonary-edema	1	143	168	2001.1964	24.2738
118	pulmonary-fibrosis	2	95	90	2013.7556	21.8556
119	quality-of-life	1	72	81	2013.7037	45.9136
120	randomized controlled-trial	1	123	221	2013.276	39.5882
121	rat	2	100	98	2013.5204	11.9184
122	rats	2	125	290	2007.4276	13.5724
123	receptor	2	133	202	2015.0396	18.3218
124	recruitment	1	140	243	2005.9753	25.9218
125	release	2	105	80	2014.3	14.975
126	repair	2	92	80	1988.6875	26.0875
127	resolution	2	104	128	1999.9844	16.7656
128	respiratory distress syndrome	1	122	116	2014.6466	18.3793
129	respiratory failure	1	94	98	2013.9286	12.3673
130	respiratory-distress-syndrome	2	156	2301	2011.3585	22.2634
131	responses	2	109	133	1999.5789	14.9925
132	risk	1	117	179	2015.2011	16.2737
133	risk-factors	1	116	155	1988.6065	20.2774
134	score	1	84	77	2015.5584	18.0909
135	sepsis	2	153	749	2004.0801	22.6756
136	septic shock	1	145	270	2014.2222	37.037
137	severe sepsis	1	135	173	2013.5549	57.8497
138	severity	1	118	103	2014.165	25.9903
139	shock	4	134	113	2013.6283	15.7965
140	strategy	1	100	125	2013.024	39.848
141	stress	2	116	106	1995.6132	13.8396
142	stromal cells	2	86	87	2015.4828	29.8966
143	support	1	75	78	2015.0769	17.8205
144	surfactant	1	123	100	2013.27	15.92

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145	survival	1	151	232	2015.056	23.7198
146	therapy	1	145	238	2014.7185	21.979
147	tidal volume	1	119	168	2013.5893	22.4405
148	tidal volumes	1	99	93	2013.7097	20.7312
149	tnf-alpha	2	118	203	2004.6355	15.0493
150	trali	1	68	115	2012.9652	20.3043
151	transfusion	1	89	88	2013.5341	17.6591
152	transplantation	2	113	95	1992.6	16.7158
153	trauma	1	117	101	2014.5248	13.198
154	trial	1	115	154	2013.8182	18.7857
155	tumor-necrosis-factor	2	108	146	2012.8014	19.2671
156	united-states	1	98	75	2014.16	30.16
157	ventilation	1	152	427	2014.363	19.918
158	ventilator-induced lung injury	1	127	124	2014.0242	23.1935
159	volume	1	80	89	2014.5843	16.6742