

rank	country	number	proportion	centrality
1	USA	572	40.31%	0.96
2	GER	121	8.52%	0.11
3	FR	95	6.70%	0.13
4	UK	82	5.78%	0.30
5	CA	78	5.50%	0.12

Tab. 1 the number of articles and central top five national information in septic shock and hypotension in WOS from 1991 to

2020

Rank	Author	Unit	Numb er	Total citations
1	Bellomo Rinaldo	University of Melbourne, Australia	29	688
2	Martin westphal	University of Munster, Germany	19	494
3	Vincent jean-louis	Brussels University, Belgium	18	5200
4	Matthias lange	University of Munster, Germany	14	374
5	Shapiro nathan i	Emergency Department of Beth Israel Deaconess Medical Center, Boston, Massachusetts, USA	14	421
6	Morelli andrea	University of Rome, Italy	13	314
7	Van aken hugo	University of Munich, Germany	12	309
8	Ertmer christian	University of Munster, Germany	12	337
9	Vincent jl	Department of Intensive Care, Erasme Hospital, Université Libre de Bruxelles, Brussels, Belgium	12	1619
10	Traber	Department of Anesthesiology Investigational Intensive	11	194

Tab. 2 Information of the top 10 authors in the field of septic shock and hypotension in WOS from 1991 to 2020

Rank	Year	Title	Author	Journal	Citation	h-index
1	2001	Early goal-directed therapy in the treatment of severe sepsis and septic shock.	Rivers E	N. Engl. J. Med	194	74.699
2	2001	Epidemiology of sepsis: an update.	Angus dc	Crit. Care Med	145	7.414
3	2013	Surviving sepsis campaign: international guidelines for management of severe sepsis and septic shock: 2012.	delling er rp	Crit. Care Med	142	7.414
4	1992	Definitions for sepsis and organ failure and guidelines for the use of innovative therapies in sepsis. The ACCP/SCCM Consensus Conference Committee. American College of Chest Physicians/Society of Critical Care Medicine.	Bone RC	Chest	130	8.308
5	2016	The Third International Consensus Definitions for Sepsis and Septic Shock (Sepsis-3).	Singer M	Jama	109	45.54
6	2003	2001 SCCM/ESICM/ACCP/ATS/SIS International Sepsis Definitions Conference.	Levy MM	Crit. Care Med	87	7.414
7	1991	Nitric oxide: physiology, pathophysiology, and pharmacology.	Moncada S	Pharmacol. Rev.	82	17.395
8	2008	Surviving Sepsis Campaign: international guidelines for management of severe sepsis and septic shock: 2008.	delling er rp	Crit. Care Med	80	7.414
9	1991	Effect of nitric oxide synthase inhibitors on hypotension in patients with septic shock.	Petros a	Lancet	79	60.392

10	19	Pathogenetic mechanisms of septic shock.	Parrillo	N. Engl.	78	74.
	93		Je	J. Med		699

Tab. 3 The top 10 high-cited papers in scoliosis research in WOS from 1991 to 2020

Rate	Keyword	Rate	Keyword	Rate	Keyword
732	Sepsis	104	norepinephrine	67	arginine
720	Septic shock	86	inhibition	64	expression
313	Hypotension	84	cytokine	63	activation
262	shock	79	Critically ill patient	61	epidemiology
231	Severe sepsis	76	resuscitation	60	vasopressin
218	Nitric oxide	76	inflammation	57	failure
193	mortality	74	dysfunction	56	Blood flow
161	endotoxin	73	therapy	55	Intensive care unit
148	tumor necrosis factor	72	guideline	51	survival
137	Nitric oxide synthase	71	infection	51	Organ failure
136	management	71	Blood pressure	51	mechanism
123	Rat	68	hemodynamics		
113	lipopolysaccharide	68	endotoxemia		

Tab. 4 High-frequency keywords in the field of septic shock and hypotension in WOS from 1991 to 2020