

1790 Analytics Patent Scorecard (2019) - Semiconductor Manufacturing

Industry	Rank	Organization (Parent)	Country	2019 US Patents	Pipeline Growth Index	Pipeline Impact	% Self-Citations	Adjusted Pipeline Impact	Pipeline Generality	Pipeline Originality	Pipeline Power
Semiconductor Mfg	1	Intel Corporation	USA	3672	1.07	0.82	23.9%	0.82	0.96	0.96	2931.24
Semiconductor Mfg	2	Samsung Electronics Co Ltd	S.Korea	6826	1.10	0.58	22.4%	0.58	0.66	0.92	2678.56
Semiconductor Mfg	3	Taiwan Semiconductor Mfg Co.	Taiwan	2329	0.94	1.80	73.0%	1.02	1.19	0.75	1995.09
Semiconductor Mfg	4	Micron Technology Inc.	USA	1282	1.37	0.87	65.5%	0.56	0.97	0.93	894.62
Semiconductor Mfg	5	Semiconductor Energy Lab	Japan	712	0.81	1.39	83.8%	0.64	2.75	0.81	832.79
Semiconductor Mfg	6	Skyworks Solutions Inc	USA	305	1.34	1.04	53.8%	0.79	2.25	0.98	717.07
Semiconductor Mfg	7	Cirrus Logic Inc.	USA	163	1.39	1.39	55.6%	1.03	2.77	1.10	713.57
Semiconductor Mfg	8	Xilinx Inc.	USA	186	1.25	1.16	42.0%	1.02	2.24	0.99	524.73
Semiconductor Mfg	9	Xperi Corporation	USA	157	0.99	2.60	76.7%	1.39	2.77	0.88	521.22
Semiconductor Mfg	10	Infineon Technologies AG	Germany	956	0.96	0.63	20.6%	0.63	0.90	0.95	490.81
Semiconductor Mfg	11	Seoul Viosys (Seoul Semic)	S.Korea	125	1.18	1.86	65.7%	1.19	2.95	0.94	487.85
Semiconductor Mfg	12	Murata Manufacturing Co. Ltd.	Japan	844	1.11	0.57	26.2%	0.57	0.88	0.99	469.19
Semiconductor Mfg	13	AMS AG	Austria	528	1.43	0.63	30.8%	0.62	0.89	1.11	462.38
Semiconductor Mfg	14	SanDisk (Western Digital)	USA	322	0.85	1.62	44.8%	1.38	1.63	0.71	435.98
Semiconductor Mfg	15	BOE Technology Group Ltd	China	2187	1.33	0.36	41.1%	0.32	0.40	1.18	432.21
Semiconductor Mfg	16	Texas Instruments Inc	USA	896	1.13	0.56	22.1%	0.56	0.72	0.95	388.54
Semiconductor Mfg	17	Qorvo	USA	200	0.89	1.55	40.3%	1.39	1.61	0.93	371.08
Semiconductor Mfg	18	Rambus Inc.	USA	193	1.25	1.11	27.0%	1.11	1.34	1.02	365.67
Semiconductor Mfg	19	STMicroelectronics	Netherlands	744	1.04	0.65	20.3%	0.65	0.71	0.93	335.30
Semiconductor Mfg	20	Seoul Semiconductor Co Ltd	S.Korea	158	1.06	1.50	60.1%	1.05	2.00	0.94	331.36