

*1 前回集計順位

月間最高アクセス

先月2000以上アクセス

最新ではなくて12ヵ月計で1万を超えるもの(～35位)、ロングセラ-

セッション	所属	名前	12ヵ月合計	*1	2016年					2017年							web page	
					8月	9月	10月	11月	12月	1月	2月	3月	4月	5月	6月	7月		
			2,542,036		150,190	135,077	249,687	169,923	142,878	127,385	139,232	225,848	153,992	158,298	680,161	209,365		
UAV15	国際	村木U15	1	509,348	1	44,964	37,064	54,893	37,334	31,823	30,508	55,818	56,611	57,174	39,729	43,338	20,092	http://www.sparj.com/UAVapp/UAVapp2015/speakers/MurakiUAVapp2015.pdf
2017J UAV1	コイシ	こいし小町	2	287,850	2											279,042	8,808	http://www.sparj.com/SparJ/Spar2017J/speaker/koishi.pdf
2015J	リーゲル		3	183,085	3	10,225	13,763	9,632	14,430	13,619	15,637	12,987	22,914	15,435	29,270	12,582	12,591	http://www.sparj.com/SPAR2015J/speaker/TsRiegl.pdf
2017J UAV1	コイシ2	こいし小町	4	159,714	4											138,757	20,957	http://www.sparj.com/SparJ/Spar2017J/speaker/koishi2.pdf
UAV16	ルーチェサーチ	渡辺U16	5	131,450	5			80,268	2,793	6,385	1,123	2,599	6,347	474	2,666	1,192	2,459	http://www.sparj.com/UAVapp/UAV2016/speakers/WatanabeUA
2015J UAV	ルーチェ	渡辺U15	6	73,955	6	20,137	6,119	12,660	7,253	3,900	3,719	460	9,243	993	2,121	4,427	2,923	http://www.sparj.com/SPAR2015J/speaker/A6watanabe.pdf
2017J プラント	旭化成	藤澤	7	72,423	8											57,897	14,526	http://www.sparj.com/SparJ/Spar2017J/speaker/fujisawa2.pdf
2014J 移動	パスコ	坂下	8	61,155	7	3,522	3,147	3,463	4,709	4,447	7,033	4,804	5,921	5,837	6,016	6,040	6,216	http://www.sparj.com/SparJ/Spar2014J/speaker2014J/Sakashita4.pdf
2009J 建設	八千代E	島田	9	41,700	10	4,662	3,738	4,069	3,894	1,758	3,023	1,648	3,003	3,204	2,932	3,906	5,863	http://www.sparj.com/SparJ/Spar2009J/Shimada.pdf
2017コイシ	未来土木	穴井	10	40,027	11								35,954	3,304	504	265		http://www.sparj.com/report/Koishi/20170207_Anai.pdf
2008J	シスプロ		11	39,238	9	1,349	3,407	7,384	3,011	3,934	3,950	868	7,805	2,797	1,292	2,990	451	http://www.sparj.com/SparJ/Spar2008J/TechnicalSession/Syspro1.pdf
UAV16	建技研	荒牧	12	37,497	12			3,769	13,549	4,053	2,904	588	1,484	3,593	638	3,758	3,161	http://www.sparj.com/UAVapp/UAV2016/speakers/AramakiUAV2016.pdf
2017JUIDA	伊那ドローン		13	36,714	29											12,034	24,680	http://www.sparj.com/report/InaDrone1.pdf
SPARJ hp	ルート		14	32,089	13	1,754	2,060	2,682	3,223	2,147	2,047	1,836	2,275	2,608	4,342	4,971	2,144	http://www.sparj.com/
2016J 建築	大成建設	田中	15	28,381	17	1,205	1,186	1,828	2,893	2,156	2,100	3,541	4,483	2,522	2,368	1,784	2,315	http://www.sparj.com/SparJ/Spar2016J/speakers/tanaka.pdf
2010J 基調	北大	金井	16	27,621	15	2,526	2,418	3,991	1,336	1,224	2,383	2,343	2,429	1,890	1,577	1,611	3,893	http://www.sparj.com/SparJ/Spar2010J/speakerDoc/KanaiDoc1.pdf
2013J 展示			17	24,371	19	2,014	2,231	1,840	1,676	1,369	2,138	2,869	2,696	1,806	1,706	2,176	1,850	http://www.sparj.com/SparJ/Spar2013J/exhibit.pdf
2017J 新技術	WoodInfo	中村	18	23,068	26										2,849	12,441	7,778	http://www.sparj.com/SparJ/Spar2017J/speaker/nakamura.pdf
2011J 移動	アスコ	番匠	19	21,805	18	1,439	3,473	2,156	1,577	845	1,891	2,486	2,806	1,243	2,359	1,124	406	http://www.sparj.com/SparJ/Spar2011J/speaker/banjo.pdf
2014J 基調	千葉大	野波	20	21,055	16	3,918	1,724	1,395	3,918	3,641	2,666	1,358	1,074	906	78	275	102	http://www.sparj.com/SparJ/Spar2014J/speaker2014J/Nonami6
2015J 土木	ハヤテ	北条	21	20,414	14	2,236	5,366	6,707	41	110	1,135	246	2,915	135	1,138	274	111	http://www.sparj.com/SPAR2015J/speaker/A5hojo.pdf
2017J 基調	青山学院	古橋	22	19,031	22										3,124	13,140	2,767	http://www.sparj.com/SparJ/Spar2017J/speaker/furuhashi.pdf
2016P	高橋システム	高橋	23	17,007	27					4,257	1,326	2,250	2,684	1,229	1,095	2,330	1,836	http://www.sparj.com/SPARP/SPAR2016P/presen/k4Takahashi.pdf
2016P	新興プランテック	齋藤	24	16,533	24					8,488	2,166	912	2,539	482	405	987	554	http://www.sparj.com/SPARP/SPAR2016P/presen/k1Saitou.pdf
2012J 建築	鹿島	矢島	25	15,844	21	2,185	2,438	1,592	1,913	549	497	1,104	1,363	1,476	1,136	1,110	481	http://www.sparj.com/SparJ/Spar2012J/speakerPDF/Yajima.pdf
2011J 建築	前田建	南	26	15,755	23	2,061	2,096	903	763	1,021	1,147	1,409	2,148	1,394	956	1,191	666	http://www.sparj.com/SparJ/Spar2011J/speaker/minami.pdf
2013J 建築	新菱	酒本	27	14,088	28	645	1,702	904	1,640	837	1,069	1,280	885	1,511	1,769	776	1,070	http://www.sparj.com/SparJ/Spar2013J/speaker_pdf/sakamoto.pdf
2017J 展示	Gexcel		28	13,286													13,286	http://www.sparj.com/SparJ/Spar2017J/sponsor/Gexcel.pdf
UAV16	国際	村木U16	29	11,411	32			1,257	529	193	507	494	906	1,509	1,951	2,273	1,792	http://www.sparj.com/UAVapp/UAV2016/speakers/MurakiUAV2016.pdf
2016J 土木	KRC	加藤	30	10,551	25	2,622	949	766	399	3,274	340	182	1,030	639	68	37	245	http://www.sparj.com/SparJ/Spar2016J/presen/A6katou.pdf
UAV15	大阪経大	中村	31	9,698	30	1,048	492	2,461	290	478	450	1,491	1,075	768	799	98	248	http://www.sparj.com/UAVapp/UAVapp2015/speakers/NakamuraUAVapp2015
	Report沖縄ビジョン		32	9,246	20	347	8,770	5	12	3	1	1	4	2	2	98	1	http://www.sparj.com/report/OkinawaVision201003.pdf
SV15(22)AI CAD			33	9,128	34											9,020	108	http://www.sparj.com/SVJabst/SVabst(15)/SparViewVol15(22)A
2009J 移動	三菱電機	瀧口	34	8,236	33	404	1,592	577	265	73	1,189	463	605	366	247	1,471	984	http://www.sparj.com/SparJ/Spar2009J/Takiguchi.pdf
2011J 学会	北大	金井	35	8,148	31	2,171	1,396	729	106	773	700	757	318	36	51	1,011	100	http://www.sparj.com/SparJ/Spar2011J/speaker/kanai.pdf
2013J 基調	奈良科技大	横矢	36	7,612	35	1,423	59	394	532	36	140	86	321	412	2,458	1,584	167	http://www.sparj.com/SparJ/Spar2013J/speaker_pdf/yokoya.pdf
			37	7,568	36			4,047	2,469	174	163	194	150	94	41	124	112	http://www.sparj.com/UAVapp/UAV2016/Chirasi.pdf
2013J			38	6,946	37	642	44	113	701	938	1,200	1,234	803	35	312	470	454	http://www.sparj.com/SparJ/Spar2013J/speaker_pdf/speakers.p
			39	6,656	38					4,998	176	182	136	236	500	305	123	http://www.sparj.com/SPARP/SPAR2016P/2016Pexhibit.pdf
			40	6,194	41								15	964	1,882	2,884	449	http://www.sparj.com/SparJ/Spar2017J/program.pdf
2011J 移動	ウェスコ	真田	41	5,965	40	963	390	1,173	47	624	12	334	755	500	482	417	268	http://www.sparj.com/SparJ/Spar2011J/speaker/sanada.pdf
2016P	荏原	足立	42	5,794	42					2,611	809	205	535	151	341	798	344	http://www.sparj.com/SPARP/SPAR2016P/presen/k3Aadachi.pdf
2015J	AVEVA		43	5,416	51	829	283	200	588	318	32	489	348	312	362	381	1,274	http://www.sparj.com/SPAR2015J/speaker/TsAVEVA.pdf

SV			44	5,315	43					249	4,956	34	40	1	35		http://www.sparj.com/SVJabst/SVabst(15)/miraiDoboku.pdf		
2017世界大会報告			45	5,193	44								5,108	78	3	4	http://www.sparj.com/report/ReportSPAR_International2017.pdf		
			46	5,155	47			626	154	192	212	566	1,229	1,921	255		http://www.sparj.com/SparJ/Spar2017J/chirasi1.pdf		
2015J 建築	竹中	染谷	47	5,041	45	409	379	300	330	212	366	412	435	533	510	686	469	http://www.sparj.com/SPAR2015J/speaker/A2someya.pdf	
2012J移動	パスコ	坂元	48	4,884	48	892	651	604	100	20	622	221	433	1,051	130	30	130	http://www.sparj.com/SparJ/Spar2012J/speakerPDF/Sakamoto.pdf	
2013J 新技術	共栄測量	松林	49	4,877	52	459	555	489	302	491	530	380	567	270	191	210	433	http://www.sparj.com/SparJ/Spar2013J/speaker.pdf/matsubayashi.pdf	
2017J UAV1	建設システム	鈴木	50	4,579	64										470	3433	676	http://www.sparj.com/SparJ/Spar2017J/speaker/suzukiJ.pdf	
2017J文化財	アイテック	田子	51	4,423	65												3,842	581	http://www.sparj.com/SparJ/Spar2017J/speaker/tago2.pdf
UAV15	KRC	西村U15	52	4,228	59	584	533	605	682	194	209	456	295	315	55	118	182	http://www.sparj.com/UAVapp/UAVapp2015/speakers/NishimuraUAVapp2015	
2016P	ベストテラ	多田	53	4,149	63				2,644	482	95	399	184	169	88		88	http://www.sparj.com/SPARP/SPAR2016P/presen/k2Tada.pdf	
2009J インフラ	パスコ	前田	54	4,116	54	91	343	687	45	554	111	1,170	290	350	75	359	41	http://www.sparj.com/SparJ/Spar2009J/Maeda.pdf	
2013J プラント	向陽鉄工	東	55	4,089	55	219	750	321	201	11	160	764	590	92	397	196	388	http://www.sparj.com/SparJ/Spar2013J/speaker.pdf/higashi.pdf	
			56	4,081	50	78	92	273	716	515	338	75	87	438	594	513	362	http://www.sparj.com/SparJ/Spar2016J/presen/A4sakai.pdf	
EnDIF	IFC BIMカタログ		57	4,081	61								3,561	42	478			http://www.sparj.com/EnDIF/BMMC/IFCBIMcatalogue201703.pdf	
2015J 基調	芝浦工大	中川	58	3,938	39	787	578	270	155	932	31	161	387	497	69	31	40	http://www.sparj.com/SPAR2015J/speaker/M2nakagawa.pdf	
2015世界大会報告			59	3,866	60	400	593	96	471	200	132	379	612	335	201	135	312	http://www.sparj.com/SparInt/Spar2015IntReport.pdf	
			60	3,827	68	334	377	176	185	174	281	295	493	553	265	315	379	http://www.sparj.com/UAVapp/UAVapp2015/speakers/UkaiUAVapp2015.pdf	
SV15(17)PayLoad1ton			61	3,709	69									432	1,965	736	576	http://www.sparj.com/SVJabst/SVabst(15)/SparViewVol15(17)PayLoad1ton.pdf	
			62	3,623	56	986	210	205	321	196	186	176	352	199	250	360	182	http://www.sparj.com/SparJ/Spar2016J/presen/program&TS12.pdf	
UAV15 基調	千葉大	本多	63	3,553	66	289	317	851	484	205	198	249	245	30	15	161	509	http://www.sparj.com/UAVapp/UAVapp2015/speakers/HondaUAVapp2015.pdf	
2016J TS	ミルトス		64	2,904	71	2,586		1	2			5	3		1	306		http://www.sparj.com/SparJ/Spar2016J/presen/TS12Mirtos.pdf	
2013J 学会	電通大	増田	65	2,829	70	602	573	709	61	305	23	39	60	161	33	111	152	http://www.sparj.com/SparJ/Spar2013J/speaker.pdf/masuda.pdf	
UAV15	RESTEC	門崎	66	2,744	76	102	284	372	273	92	194	311	118	128	230	257	383	http://www.sparj.com/UAVapp/UAVapp2015/speakers/KadosakiUAVapp2015.pdf	
2010J 基調	早稲田大	嘉納	67	2,716	82	4	444	388	367	4	439	239	260	6	97	29	439	http://www.sparj.com/SparJ/Spar2010J/speakerDoc/KanoDoc2.pdf	
2015J 土木	京都府	春田	68	2,662	75	569	41	336	187	194	271	11	130	437	27	63	396	http://www.sparj.com/SPAR2015J/speaker/A5haruta.pdf	
2015J 展示All			69	2,595	72	231	206	275	174	319	217	130	163	201	245	234	200	http://www.sparj.com/SPAR2015J/sponsor/exhibitAll.pdf	
			70	2,562	78			1,290	611	85	88	139	93	59	50	75	72	http://www.sparj.com/UAVapp/UAV2016/speakers/SuzukiUAV2016.pdf	
UAV15	All		71	2,550	74	575	145	166	307	120	504	308	142	69	146	17	51	http://www.sparj.com/UAVapp/UAVapp2015/UAVappAll.pdf	
			72	2,543	77								2413	56	74			http://www.sparj.com/report/Koishi/20170207_KoishiReport.pdf	
SV15(18)OpenLSEF			73	2,404	83										1929	357	118	http://www.sparj.com/SVJabst/SVabst(15)/SparViewVol15(18)O	
			74	2,349	84			2	1,422	356	110	86	75	62	82	86	68	http://www.sparj.com/UAVapp/UAV2016/speakers/speakersTable1.pdf	
SV15(15)SPAR3Dtrend			75	2,345	79								2,196	110	29	10		http://www.sparj.com/SVJabst/SVabst(15)/SparViewVol15(15)SPAR3Dtrend.p	
2008J 最新	アライト	高橋	76	2,309	95	35	139	210	339	176	26	134	235	285	15	96	619	http://www.sparj.com/SparJ/Spar2008J/SpeakerPresenPDF/Takahashi1.pdf	
			77	2,266	88										477	1,661	128	http://www.sparj.com/SparJ/Spar2017J/TSprogram.pdf	
2016J 移動	三菱電機	石原	78	2,226	57	387	7	882	6	11	141	5	215	7	341	3	221	http://www.sparj.com/SparJ/Spar2016J/presen/A4ishihara.pdf	
UAV15	大林	杉浦	79	2,164	80	336	144	176	74	283	179	38	343	197	143	239	12	http://www.sparj.com/UAVapp/UAVapp2015/speakers/SugiuraUAVapp2015.p	
2008J 土木	東名開発	伊藤	80	2,164	81	139	191	169	84	168	155	204	264	237	191	207	155	http://www.sparj.com/SparJ/Spar2008J/SpeakerPresenPDF/Itoh.pdf	
			81	2,163	85	173	162	72	362	174	274	227	269	273	16	92	69	http://www.sparj.com/SparJ/Spar2010J/speakerDoc/OuraDoc1	
SV15(26)Lidar700\$			82	2,139													2,139	http://www.sparj.com/SVJabst/SVabst(15)/SparViewVol15(26)Li	
2016J 建築	東洋熱工業	三浦	83	2,129	49	33	171	146	640	14	394	20	43	195	8	359	106	http://www.sparj.com/SparJ/Spar2016J/presen/A2miura.pdf	
2017JUIDA	伊那ドローン競技会		84	2,122													2,122	http://www.sparj.com/report/InaDroneCompeGuide.pdf	
SV15(21)Robird&Tunnel			85	2,121	90									1,476	615	30		http://www.sparj.com/SVJabst/SVabst(15)/SparViewVol15(21)Robird&Tunnel.i	
			86	2,120	89						1,861	208	24	24	3			http://www.sparj.com/SVJabst/SVabst(15)/bosai1to3.pdf	
			87	2,083	92										1,378	691	14	http://www.sparj.com/SparJ/Spar2017J/SPAR2017JattendPattern.pdf	
			88	2,071	91			2,071										http://www.sparj.com/UAVapp/UAV2016/ChirasiB2.pdf	
			89	1,988	108			14	158	132	199	165	177	173	417	276	277	http://www.sparj.com/UAVapp/UAV2016/speakers/Haruta&FuruhashiUAV201	
2008J Ts	FARO		90	1,983	73	155	6	56	15	6	8	68	46	1,458	12	19	134	http://www.sparj.com/SparJ/Spar2008J/TechnicalSession/FARO1.pdf	
SV15(01)GoogleTango			91	1,980	97						1,798	108	23	11	15	18	7	http://www.sparj.com/SVJabst/SVabst(15)/SparViewVol15(01)GoogleTango.p	

2010J 移動	地層研	里	140	1,324	135	50	361	369	427	6	6	1	67	4	12	9	12	http://www.sparj.com/SparJ/Spar2010J/speakerDoc/SatoDoc1.pdf
			141	1,314	140			479	607	44	28	24	28	24	32	29	19	http://www.sparj.com/UAVapp/UAV2016/sponsors/FloorPlan.pdf
SV13(50)LidarChip			142	1,305	138	97	100	109	115	77	113	112	121	98	153	128	82	http://www.sparj.com/SVJabst/SVabst(13)/SparViewVol13(50)LidarChip.pdf
			143	1,302	144	110	147	108	107	99	109	99	118	94	102	99	110	http://www.sparj.com/SVJabst/SubHeadSVJabst.htm
			144	1,301	143								1,186	43	22	30	20	http://www.sparj.com/kojimemo/KojiMemo(31)BousaiJapan.pdf
SV15(10)defense			145	1,290	142								1,183	71	30	4	2	http://www.sparj.com/SVJabst/SVabst(15)/SparViewVol15(10)defense.pdf
			146	1,287													1287	http://www.sparj.com/report/DoPhotoGram.pdf
SV14(27)DroneWar			147	1,280	87	86	50	136	111	101	97	175	94	91	106	123	110	http://www.sparj.com/SVJabst/SVabst(14)/SparViewVol14(27)DroneWar.pdf
			148	1,259	155					745	121	64	67	44	63	89	66	http://www.sparj.com/SPARJ/SPAR2016P/presen/presen.pdf
			149	1,256	167	16	63	95	158	84	100	124	138	91	110	116	161	http://www.sparj.com/SVJabst/SVIndex2.xlsm
SV14(43)Updraft			150	1,255	145			1,142	59	9	12	3	8	5	12	2	3	http://www.sparj.com/SVJabst/SVabst(14)/SparViewVol14(43)Updraft.pdf
SV14(46)DroneWar			151	1,251	146				1186	19	11	11	8	8	7		1	http://www.sparj.com/SVJabst/SVabst(14)/SparViewVol14(46)D
			152	1,247	151			792	241	47	14	22	10	44	34	21	22	http://www.sparj.com/UAVapp/UAV2016/speakers/KawataUAV2016.pdf
SV15(24)PacificDroneRace			153	1,243	157											1,186	57	http://www.sparj.com/SVJabst/SVabst(15)/SparViewVol15(24)PacificDroneRa
2015J 基調3 JR東日本	横山		154	1,237	148	95	101	97	69	167	86	80	72	118	103	105	144	http://www.sparj.com/SPAR2015J/speaker/M3yokoyama.pdf
SV14(04)VTOL			155	1,237	209	1	9	4		1	12	40	55	162	224	240	489	http://www.sparj.com/SVJabst/SVabst(14)/SparViewVol14(04)VTOL.pdf
2008J 土木 東名開発	伊藤		156	1,235	149	58	4	20	11	4	6		966	69	81	11	5	http://www.sparj.com/SparJ/Spar2008J/SpeakerPresenPDF/Ito
SV14(36)Deliver			157	1,235	150		1,127	21	17	14	19	13	10	5	9			http://www.sparj.com/SVJabst/SVabst(14)/SparViewVol14(36)Deliver.pdf
			158	1,233	62	550	18	111	1	10	226	63	108		107	21	18	http://www.sparj.com/SparJ/Spar2016J/presen/A1maruta.pdf
SV14(37)FoldableDrone			159	1,225	152		1,100	36	10	6	8	4	5	21	13	13	9	http://www.sparj.com/SVJabst/SVabst(14)/SparViewVol14(37)FoldableDrone.f
SV15(29)AppleAR			160	1,224													1224	http://www.sparj.com/SVJabst/SVabst(15)/SparViewVol15(29)A
2016J 基調 東大	鈴木		161	1,217	141	141	65	199	115	45	80	44	192	117	43	116	60	http://www.sparj.com/SparJ/Spar2016J/speakers/suzuki.pdf
SV15(13)UTM			162	1,212	153									1,137	63	8	4	http://www.sparj.com/SVJabst/SVabst(15)/SparViewVol15(13)U
			163	1,203	169		89	91	89	94	114	96	133	147	113	122	115	http://www.sparj.com/kojimemo/kojimemo1.htm
			164	1,191	156								1142	18	30	1		http://www.sparj.com/EnDIF/BMMC/BLCguide2016article.pdf
2008J プラント サンキ	横山		165	1,187	163	115	73	97	147	120	139	37	156	24	117	29	133	http://www.sparj.com/SparJ/Spar2008J/SpeakerPresenPDF/Yokoyama.pdf
SV14(40)RobotPatent			166	1,181	158		2	1112	6	15	11	6	8	6	7	5	3	http://www.sparj.com/SVJabst/SVabst(14)/SparViewVol14(40)R
			167	1,180	126	34	477	90	356	25	38	14	85	13	20	19	9	http://www.sparj.com/kojimemo/KojiMemo(30)Okinawa.pdf
			168	1,154	161		358	206	386	34	36	43	23	25	23	14	6	http://www.sparj.com/UAVapp/UAV2016/UAV2016Chirasi.pdf
SV14(32)game			169	1,151	160	1,019	68	18	14	4	6	2	4	4	11	1		http://www.sparj.com/SVJabst/SVabst(14)/SparViewVol14(32)g
2011J 建築 JM	斎藤		170	1,148	162	154	91	94	123	76	125	90	328	7	37	7	16	http://www.sparj.com/SparJ/Spar2011J/speaker/saito.pdf
			171	1,133	166	124	172	273	237	51	36	28	105	27	27	29	24	http://www.sparj.com/UAVapp/UAV2016/Register.htm
			172	1,129	192												911	http://www.sparj.com/SparJ/Spar2017J/speaker/takahashi2.pdf
			173	1,125	165	944	40	29	17	26	12	10	13	5	5	18	6	http://www.sparj.com/WebAccess/WebPageAccessRank201608.pdf
2011J 基調 東大	柴崎		174	1,120	164	1,070		2	1	1	2		1				42	http://www.sparj.com/SparJ/Spar2011J/speaker/shibazaki.pdf
			175	1,083	175								641	178	117	110	37	http://www.sparj.com/SparInt/SPAR_International2017Program.pdf
SV14(47)vrar			176	1,068	172				962	61	11	7	4	5	10	4	4	http://www.sparj.com/SVJabst/SVabst(14)/SparViewVol14(47)vrar.pdf
			177	1,055	174	82	63	79	83	91	98	76	110	90	98	94	91	http://www.sparj.com/SparInt/SubHeadSparInt.htm
SV14(31)SolarPlane			178	1,046	147	832	70	55	38	22	6	3	2	6	9	2	1	http://www.sparj.com/SVJabst/SVabst(14)/SparViewVol14(31)SolarPlane.pdf
			179	1,044	177								959	30	24	24	7	http://www.sparj.com/WebAccess/WebPageAccessRank201703.pdf