

# 論文発表の現状

公益財団法人高輝度光科学研究センター 利用推進部

年別査読有り論文発表等登録数 (2020年12月31日現在)

SPring-8

Beamline Name		Public Use Since	~2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total	
Public Beamlines	BL01B1	XAFS	1997.10	415	76	65	74	92	75	87	94	81	84	80	1223
		Technical Journal				1									1
	BL02B1	Single Crystal Structure Analysis	1997.10	140	12	18	36	42	36	44	39	29	45	41	482
	BL02B2	Powder Diffraction	1999.9	505	82	59	96	71	82	95	79	73	72	79	1293
	BL04B1	High Temperature and High Pressure Research	1997.10	174	22	16	20	19	16	16	15	15	19	12	344
	BL04B2	High Energy X-ray Diffraction	1999.9	194	23	28	28	33	37	43	30	40	38	56	550
		Technical Journal					1								1
	BL08W	High Energy Inelastic Scattering	1997.10	128	20	19	15	13	19	15	16	14	10	18	287
	BL09XU	Nuclear Resonant Scattering	1997.10	110	13	13	15	15	18	16	19	28	14	9	270
	BL10XU	High Pressure Research	1997.10	295	32	28	21	30	29	30	28	23	25	27	568
	BL13XU	Surface and Interface Structure	2001.9	139	27	6	16	21	24	36	27	32	33	24	385
	BL14B2	Engineering Science Research II	2007.9	43	32	36	53	53	61	53	58	66	79	78	612
		Technical Journal				1	1	1					1	2	6
	BL19B2	Engineering Science Research I	2001.11	143	35	53	59	63	65	64	68	60	57	50	717
		Technical Journal				1	1	1	2			2	1	1	9
	BL20B2	Medical and Imaging I	1999.9	182	24	35	28	25	35	26	28	31	25	29	468
	BL20XU	Medical and Imaging II	2001.9	137	27	21	40	45	43	37	34	29	43	25	481
	BL25SU	Soft X-ray Spectroscopy of Solid	1998.4	282	25	22	24	31	20	19	25	20	22	28	518
		Technical Journal				2									2
	BL27SU	Soft X-ray Photochemistry	1998.5	282	31	18	41	35	25	36	27	25	16	35	571
	BL28B2	White Beam X-ray Diffraction	1999.9	95	15	10	21	18	21	19	25	20	11	21	276
	BL35XU	High Resolution Inelastic Scattering	2001.9	75	12	8	14	13	16	15	15	14	8	22	212
	BL37XU	Trace Element Analysis	2002.11	96	23	14	32	28	35	29	29	29	21	22	358
		Technical Journal						1							1
	BL38B1	Structural Biology III	2000.10	329	48	60	59	48	65	60	38	30	31	28	796
	BL39XU	Magnetic Materials	1997.10	173	19	21	20	25	19	24	30	20	18	25	394
	BL40B2	Structural Biology II	1999.9	336	42	44	70	55	55	59	54	55	62	47	879
		Technical Journal					1		1						2
	BL40XU	High Flux	2000.4	89	13	18	37	21	32	42	30	34	43	24	383
		Technical Journal											1		1
BL41XU	Structural Biology I	1997.10	590	66	53	65	55	60	68	57	52	39	36	1141	
BL43IR	Infrared Materials Science	2000.4	69	8	11	10	11	17	15	23	10	19	22	215	
BL46XU	Engineering Science Research III	2000.11	100	22	15	38	28	56	51	49	45	49	28	481	
	Technical Journal								1	1			1	3	
BL47XU	HXPES・MCT	1997.10	227	31	17	36	36	31	29	37	28	27	24	523	
	Technical Journal									1				1	
Public Use at Other Beamlines	BL05XU	RIKEN Diagnosis Beamline I	2017.4									3	6	8	17
	BL11XU	QST Quantum Dynamics I	1999.3	13											13
	BL14B1	QST Quantum Dynamics II	1998.4	44	2	1		1							48
	BL15XU	WEBRAM	2002.9	32	1	1		1							35
	BL17SU	RIKEN Coherent Soft X-ray Spectroscopy	2005.9	8	7	6	11	12	5	2	3	5	8	5	72
	BL19LXU	RIKEN SR Physics	2002.9	5				1	1	2	5	7	2	3	26
	BL22XU	JAEA Actinide Science I	2004.9	5			1								6
	BL23SU	JAEA Actinide Science II	1998.6	46		2	3	2						1	54
	BL26B1	RIKEN Structural Genomics I	2009.4		3	8	2	9	6	15	15	22	28	28	136
	BL26B2	RIKEN Structural Genomics II	2009.4	1		5	3	5	7	11	8	9	8	6	63
		Technical Journal								1					1
	BL29XU	RIKEN Coherent X-ray Optics	2002.9	13				1	1	2	2	3			22
	BL32XU	RIKEN Targeted Proteins	2010.10		5	5	8	9	16	8	15	15	8	10	99
	BL44B2	RIKEN Materials Science	1998.5	14						6	5	2	5	5	37
	BL45XU	RIKEN Structural Biology I	1997.10	84	9	6	7	9	13	20	10	6	15	18	197
Subtotal			5613	807	742	1003	976	1041	1094	1037	975	990	974	15252	

Beamline Name		Public Use Since	~2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
BL03XU	Advanced Softmaterials	2009.11	1	5	8	24	21	14	17	23	9	19	14	155
	Technical Journal				35	42	39	36	33	31	28	28		272
BL07LSU	The University-of-Tokyo Outstation Beamline for Materials Science	2009.11	1	5	6	10	13	12	19	19	15	21	11	132
BL08B2	Hyogo Prefecture BM	2005.9	1	1	3	7	9	5	6	11	5	7	8	63
	Technical Journal				7	1	18	7	4	4	1	3		45
BL11XU	QST Quantum Dynamics I		76	6	13	16	14	8	20	20	15	18	10	216
BL12B2	NSRRC BM	2001.9	131	13	25	22	21	29	37	34	36	31	12	391
BL12XU	NSRRC ID	2003.2	46	10	14	11	18	19	18	25	20	20	12	213
BL14B1	QST Quantum Dynamics II		111	16	11	10	15	19	17	23	20	19	23	284
BL15XU	WEBRAM	2001.4	148	51	41	61	57	48	63	57	50	44	44	664
	Technical Journal		2		18	15	14	8	15	21	15	10	7	125
BL16B2	Sunbeam BM	1999.9	45	6	4	3	6	4	10	9	6	10	12	115
	Technical Journal		2		18	15	14	8	15	21	15	10	7	125
BL16XU	Sunbeam ID	1999.9	38	2	2	2	3	4	11	9	9	17	19	116
	Technical Journal				20	19	14	14	21	18	12	8	9	135
BL22XU	JAEA Actinide Science I		61	10	10	14	19	15	14	15	26	23	13	220
BL23SU	JAEA Actinide Science II		153	22	20	17	29	19	26	16	23	22	21	368
BL24XU	Hyogo Prefecture ID	1998.10	131	6	7	8	5	4	5	6	8	2	11	193
	Technical Journal				11	3	10	3	1	4		1	1	34
BL28XU	RISING II	2012.4				3	9	5	5	5	4	8	10	49
	Technical Journal												1	1
BL31LEP	Laser-Electron Photon II	2013.10					1		3	2	1	2	2	11
BL32B2	Pharmaceutical Industry (2002.9 - 2012.3)		24	3				1						28
BL33LEP	Laser-Electron Photon	2000.10	43	4	4	4	4	2	2	3	5	2		73
BL33XU	Toyota	2009.5		3	5	2	8	4	10	16	6	9	18	81
	Technical Journal			2	5	4	5	3	4	1				24
BL36XU	Catalytic Reaction Dynamics for Fuel Cell (2013.1 - 2020.3)					1	7	6	7	12	15	8	8	64
BL44XU	Macromolecular Assemblies	2000.2	195	49	59	59	50	64	54	61	47	48	47	733
Subtotal			1205	212	232	274	309	282	344	366	320	330	295	4169

RIKEN Beamlines	BL17SU	Coherent Soft X-ray Spectroscopy		63	10	14	3	8	5	8	5		1	6	123
	BL19LXU	SR Physics		77	9	11	12	13	9	5	6	1	4	1	148
	BL26B1	Structural Genomics I		151	7	8	7	4	5	4	4	1		1	192
	BL26B2	Structural Genomics II		70	18	19	13	4	3	7	10	2	2	1	149
	BL29XU	Coherent X-ray Optics		156	8	16	15	9	10	15	9	8	4	4	254
	BL32XU	Targeted Proteins			2	9	8	8	7	13	4	3	1	2	57
	BL43LXU	Quantum NanoDynamics					1		1	1				2	5
	BL44B2	Materials Science		204	13	13	19	16	20	16	18	14	4	2	339
	BL45XU	Structural Biology I		181	9	9	11	9	13	13	8	3		2	258
	Subtotal			902	76	99	89	71	73	82	64	32	16	21	1525

SACLA

Public Beamlines	Beamline Name		Public Use Since	~2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Total
	BL1	SXFEL		2016.3									7	5	8
BL2/BL3	XFEL2/XFEL1		2012.3			1	13	28	37	47	42	34	44	46	292

Hardware / Software R & D	452	37	56	67	13	33	46	53	49	34	11	851
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NET Sum Total	7006	961	931	1202	1104	1193	1287	1261	1119	1137	1043	18244
Technical Journal	2	2	89	80	97	67	74	71	54	47	15	598

査読有り論文発表等：査読有りの原著論文、査読有りのプロシーディングと博士論文、SPRING-8/SACLA 利用研究成果集

Technical Journal：JASRI が認定した企業等の公開技術報告書

NET Sum Total：実際に登録されている件数（本表に表示していない実験以外に関する文献を含む）

複数ビームライン（BL）からの成果からなる論文はそれぞれのビームラインでカウントした。

このデータは論文発表等登録データベース (<https://user.spring8.or.jp/uisearch/publication2/>) に 2020 年 12 月 31 日までに登録されたデータに基づいており、今後変更される可能性があります。

・SPRING-8 または SACLA での成果を論文等にする場合は必ずビームライン名および課題番号の記述を入れて下さい。

成果発表出版形式別登録数 (2020年12月31日現在)

SPring-8

Beamline Name		Public Use Since	Refereed Papers	Proceedings	Other Publications	Total	
Public Beamlines	BL01B1	XAFS	1997.10	1224	66	89	1379
	BL02B1	Single Crystal Structure Analysis	1997.10	482	14	31	527
	BL02B2	Powder Diffraction	1999.9	1293	41	83	1417
	BL04B1	High Temperature and High Pressure Research	1997.10	344	7	48	399
	BL04B2	High Energy X-ray Diffraction	1999.9	551	13	58	622
	BL08W	High Energy Inelastic Scattering	1997.10	287	10	48	345
	BL09XU	Nuclear Resonant Scattering	1997.10	270	15	34	319
	BL10XU	High Pressure Research	1997.10	568	22	61	651
	BL13XU	Surface and Interface Structure	2001.9	385	19	37	441
	BL14B2	Engineering Science Research II	2007.9	618	11	37	666
	BL19B2	Engineering Science Research I	2001.11	726	47	92	865
	BL20B2	Medical and Imaging I	1999.9	468	88	88	644
	BL20XU	Medical and Imaging II	2001.9	481	106	138	725
	BL25SU	Soft X-ray Spectroscopy of Solid	1998.4	520	15	61	596
	BL27SU	Soft X-ray Photochemistry	1998.5	571	21	38	630
	BL28B2	White Beam X-ray Diffraction	1999.9	276	16	23	315
	BL35XU	High Resolution Inelastic Scattering	2001.9	212	5	13	230
	BL37XU	Trace Element Analysis	2002.11	359	24	51	434
	BL38B1	Structural Biology III	2000.10	796	11	64	871
	BL39XU	Magnetic Materials	1997.10	394	17	80	491
	BL40B2	Structural Biology II	1999.9	881	15	117	1013
	BL40XU	High Flux	2000.4	384	24	70	478
	BL41XU	Structural Biology I	1997.10	1141	4	99	1244
	BL43IR	Infrared Materials Science	2000.4	215	15	60	290
	BL46XU	Engineering Science Research III	2000.11	484	20	41	545
	BL47XU	HXPES・MCT	1997.10	524	93	131	748
Public Use at Other Beamlines	BL05XU	RIKEN Diagnosis Beamline I	2017.4	17			17
	BL11XU	QST Quantum Dynamics I	1999.3	13	2	2	17
	BL14B1	QST Quantum Dynamics II	1998.4	48	1	11	60
	BL15XU	WEBRAM	2002.9	35	19	7	61
	BL17SU	RIKEN Coherent Soft X-ray Spectroscopy	2005.9	72	1	29	102
	BL19LXU	RIKEN SR Physics	2002.9	26		3	29
	BL22XU	JAEA Actinide Science I	2004.9	6			6
	BL23SU	JAEA Actinide Science II	1998.6	54	4	15	73
	BL26B1	RIKEN Structural Genomics I	2009.4	136		8	144
	BL26B2	RIKEN Structural Genomics II	2009.4	64		10	74
	BL29XU	RIKEN Coherent X-ray Optics	2002.9	22		1	23
	BL32XU	RIKEN Targeted Proteins	2010.10	99		4	103
	BL44B2	RIKEN Materials Science	1998.5	37		3	40
	BL45XU	RIKEN Structural Biology I	1997.10	197	5	19	221
Subtotal			15280	771	1804	17855	

Beamline Name		Public Use Since	Refereed Papers	Proceedings	Other Publications	Total	
Contract Beamlines	BL03XU	Advanced Softmaterials	2009.11	427		14	441
	BL07LSU	The University-of-Tokyo Outstation Beamline for Materials Science	2009.11	132		11	143
	BL08B2	Hyogo Prefecture BM	2005. 9	108			108
	BL11XU	QST Quantum Dynamics I		216	8	37	261
	BL12B2	NSRRC BM	2001. 9	391	1	2	394
	BL12XU	NSRRC ID	2003. 2	213	7	5	225
	BL14B1	QST Quantum Dynamics II		284	12	69	365
	BL15XU	WEBRAM	2001. 4	664	14	59	737
	BL16B2	Sunbeam BM	1999. 9	240	12	75	327
	BL16XU	Sunbeam ID	1999. 9	251	8	60	319
	BL22XU	JAEA Actinide Science I		220	4	43	267
	BL23SU	JAEA Actinide Science II		368	45	109	522
	BL24XU	Hyogo Prefecture ID	1998.10	227	19	61	307
	BL28XU	RISING II	2012. 4	50			50
	BL31LEP	Laser-Electron Photon II	2013.10	11			11
	BL32B2	Pharmaceutical Industry (2002. 9 - 2012. 3)		28		3	31
	BL33LEP	Laser-Electron Photon	2000.10	73	23	3	99
	BL33XU	Toyota	2009. 5	105	5	31	141
	BL36XU	Catalytic Reaction Dynamics for Fuel Cell (2013. 1 - 2020. 3)		64		6	70
	BL44XU	Macromolecular Assemblies	2000. 2	733		43	776
Subtotal			4805	158	631	5594	
RIKEN Beamlines	BL17SU	Coherent Soft X-ray Spectroscopy		123	4	13	140
	BL19LXU	SR Physics		148	8	27	183
	BL26B1	Structural Genomics I		192	2	19	213
	BL26B2	Structural Genomics II		149	1	13	163
	BL29XU	Coherent X-ray Optics		254	14	37	305
	BL32XU	Targeted Proteins		57		3	60
	BL43LXU	Quantum NanoDynamics		5			5
	BL44B2	Materials Science		339	2	16	357
	BL45XU	Structural Biology I		258	5	45	308
	Subtotal			1525	36	173	1734

SACLA

Public Beamlines	Beamline Name		Public Use Since	Refereed Papers	Proceedings	Other Publications	Total
	BL1	SXFEL	2016. 3	20			20
BL2/BL3	XFEL2/XFEL1	2012. 3	292	4	14	310	

Hardware / Software R & D	851	554	468	1873
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NET Sum Total	18842	1363	2380	22585
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Refereed Papers : 査読有りの原著論文、査読有りのプロシーディングと博士論文、SPring-8/SACLA 利用研究成果集、公開技術報告書

Proceedings : 査読なしのプロシーディング

Other Publications : 発表形式が出版で、上記の2つに当てはまらないもの(総説、単行本、賞、その他として登録されたもの)

NET Sum Total : 実際に登録されている件数(本表に表示していない実験以外に関する文献を含む)

複数ビームライン (BL) からの成果からなる論文等はそれぞれのビームラインでカウントした。

・SPring-8 または SACLA での成果を論文等にする場合は必ずビームライン名および課題番号の記述を入れて下さい。