Sl. No.	Keyword P	ırpose Search strategy (Scopus)	Search strategy (Other than scopus) Prompt		Searc	ch Yield/Nu	mber of hit	ts	Search	Yield/Number of hits (Afte	er 2nd filtering)		Search	Yield/Number of filtering	of hits (After 3 rd g)	Sear	ch Yield/Num filte	ber of hits (Afte ering)		l number (f
			Course and Sy (Canon managers)	Al Expected outcome Filter 1	Scopus		Google scholar	Filter 2 Web of science	Scopus	Science direct	Google Web		Scopus	Science G	Google Web of scholar science	er 4 Scopu	Science	Google \ scholar s	Journ Web of Four	als duplicat	of te unique papers
1	Digital Product Passport	"Digital Product Passport" OR "Supply Chain Digital Passport" OR "Product Data Passport" OR "Product Lifecycle Passport"		YEAR (2020-2025) Article Type: Journal Articles, conference papers research articles, review articles Language: English Sort by: relevance (Google Scholar)	al 5, 342	31	91	subject/research area: Engineering, Computer Science, Sustainable Engineering	25	11	30 50	Title	10	1	54 3 Sum Keyv	mary/ 4	2	1	2 9	8	1
2	Digital poduct Passport for Circular economy	"Digital Product Passport" W/1 "Circular Economy"	Digital Product Passport For Circular Economy	YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)	al s 16	30	101	subject/research area: Engineering, Computer Science, Sustainable Engineering	11	10	32 11	Title	1	1	Abs 69 2 Sum Keyv	I	1	3	2 7	7	0
3		"Digital Product Passport" W/2 "Circular Economy"		YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)	al s 104			subject/research area: Engineering, Computer Science, Sustainable Engineering	21			Title	6		Abs Sum Key				0		0
4		"Digital Product Passport" OR "Supply Chain Digital Passport" OR "Product Data Passport" OR "Product Lifecycle Passport" W/1 "Circular economy" OR "Sustainable Economy" OR "Zero Waste Economy"	Lifecycle Passport for Circular economy	YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)	al s 15	21	12	subject/research area: Engineering, Computer Science, Sustainable Engineering	13	8	7 65	Title	2	1	Abs 0 2 Sum Keyv	nary/ 1	1	0	2 4	3	1
5		"Digital Product Passport" OR "Supply Chain Digital Passport" OR "Product Data Passport" OR "Product Lifecycle Passport" W/2 "Circular economy" OR "Sustainable Economy" OR "Zero Waste Economy"		YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)	al s 110			subject/research area: Engineering, Computer Science, Sustainable Engineering	15			Title	5		Abs Sum Key	nary/ 1			1	1	0
6	Digital Product Passport in Built environment	"Digital Product Passport" W/1 "Built environment"	Digital Product Passport in Built environment	YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)	al s 0	136	99	subject/research area: Engineering, Computer Science, Sustainable Engineering	0	21	33 4	Title		97	2 1(R,R) Sum Keyv	mary/	1	2	1 4	4	0
7		"Digital Product Passport" OR "Supply Chain Digital Passport" OR "Product Data Passport" OR "Product Lifecycle Passport" W/1 "Infrastructure" OR "Construction Industry" OR "Urban Environment" OR "Urban landscape"	Lifecycle Passport in Infrastructure/ Construction Industry/ Urban Environment/	YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)	al 6 0	7	287	subject/research area: Engineering, Computer Science, Sustainable Engineering	0	2	41 0	Title	0	1		ract/ mary/ 0 vords	1	6	0 7	7	0
8		"Digital Product Passport" W/2 "Built environment"		YEAR (2020-2025) Article Type: Journa Articles, conference paper Language: English Sort by: relevance (Google Scholar)	al s 0			subject/research area: Engineering, Computer Science, Sustainable Engineering	0			Title			Abs: Sum Key	mary/			0		0
9		"Digital Product Passport" OR "Supply Chain Digital Passport" OR "Product Data Passport" OR "Product Lifecycle Passport" W/2 "Infrastructure" OR "Construction Industry" OR "Urban Environment" OR "Urban landscape"		YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)	al s 2			subject/research area: Engineering, Computer Science, Sustainable Engineering	2			Title	0		Sum	ract/ nary/ 0 vords			0		0
10	Product data for Digital Product Passport	"Product Data" W/1 "Digital Product Passport"	Product data for Digital Product Passport	YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)	al s 3	270	102	subject/research area: Engineering, Computer Science, Sustainable Engineering	2	51	34 13	Title	0	21	71 2 Sum Keyv	nary/ 0	3	1	1 5	4	1
11			Product Information/ Item specifications/ Prodcut metadata/ Product attributes/ Technical data/ Product details/ Item data/ Catalogue data For Digital Product Passport/	YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)	al s 0	0	9	subject/research area: Engineering, Computer Science, Sustainable Engineering	0	0	5 0	Title	0	0	0 0 Sum	ract/ mary/ 0 vords	0	0	0 0		0
12		"Product Data" W/2 "Digital Product Passport"		YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)	al s 10			subject/research area: Engineering, Computer Science, Sustainable Engineering	8			Title	2		Abs Sum Key	nary/			0		0
13		"Product Information" OR "Item specifications" OR "Product metadata" OR "Product attributes" OR "Technical data" OR "Product details" OR "Item data" OR "Catalogue data" OR "Manufacturer's data" W/2 "Digital Product Passport" OR "Supply Chain Digital Passport" OR "Product Lifecycle Passport"		YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)	al s 1			subject/research area: Engineering, Computer Science, Sustainable Engineering	1	0	0	Title	0		Abs 0 Sum Key	nary/ 0			0 0		0
14	Cybersecurity requirements for Digital Product Passport	"Cyber security requirements" W/1 "Digital Product Passport"	Cybersecurity requirements for Digital Product Passport	YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)	al s O	29	431	subject/research area: Engineering, Computer Science, Sustainable Engineering	0	15	43 0	Title	0	8	105 0 Sum	ract/ nary/ 0 vords	3	3	0 6	5	1
15			defence criteria/ security compilance guidelines/ digital Protection Protocols/ IT	YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)	al s 0	1	29	subject/research area: Engineering, Computer Science, Sustainable Engineering	0	0	15 5	Title	0	0	0 1 Sum	ract/ mary/ 0 vords	0	0	0 0		0
16		"Cybersecurity requirements" W/2 "Digital Product Passport"		YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)	al s O			subject/research area: Engineering, Computer Science, Sustainable Engineering	0			Title	0		Sum	ract/ mary/ 0 vords			0 0		0
17		"Information security standards" OR "Cyber defence criteria" OR "security compilance guidelines" OR "digital Protection Protocols" OR "IT Security Policies" W/2 "Digital Product Passport" OR "Supply Chain Digital Passport" OR "Product Data Passport" OR "Product Lifecycle Passport"	R	YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)	al s O			subject/research area: Engineering, Computer Science, Sustainable Engineering	0			Title	0		Abs Sum Key	nary/ 0			0		0
18	Cybersecurity for digital product passport	"Cybersecurity" W/1 "Digital Product Passport"	Cybersecurity for digital product passport	YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)	al s 0	36	431	subject/research area: Engineering, Computer Science, Sustainable Engineering	0	17	13 4	Title	0	5	Abs: 4 2 Sum Keyv	mary/ 0	2	1	0 3	3	0

19	"Information security" OR "digital security" OR "IT security" OR "Computer security" OR "Network Security" OR "Data protection" OR "Cyber Protection" OR "Online security" W/1 "Digital Product Passport" OR "Supply Chain Digital Passport" OR "Product Data Passport" OR "Product Lifecycle Passport" Information security/ digital security/ IT / security/ Computer security/ Network Security/ Data protection/ Opher Protection/ Online security for Digital Product Passport/ Product Data Passport/ Supply Chain Digital Passport/ Product Lifecycle Passport	YEAR (2020-2025) Article Type: Journal Articles, conference papers 0 6 Language: English Sort by: relevance (Google Scholar)	subject/research area: Engineering, Computer Science, Sustainable Engineering	3 41 1250 Title	O 1 1 1 101 Summary/ O Key words	1 4 0 5 5 0
20	"Cybersecurity" W/2 "Digital Product Passport"	YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)	subject/research area: Engineering, Computer Science, Sustainable Engineering	Title	O Abstract/ Summary/ Key words	
21	"Information security" OR "digital security" OR "IT security" OR "Computer security" OR "Network Security" OR "Data protection" OR "Cyber Protection" OR "Online security" W/2 "Digital Product Passport" OR "Supply Chain Digital Passport" OR "Product Data Passport" OR "Product Lifecycle Passport"	YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)	subject/research area: Engineering, Computer Science, Sustainable Engineering	451 Title	O Abstract/ Summary/ O Key words	
Product data Privacy in Digital Passport	Product "Product Data privacy" W/1 "Digital Product Product data Privacy in Digital Product Passport" Passport	YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)	subject/research area: Engineering, Computer Science, Sustainable Engineering	36 31 1 Title	O 5 6 1 Summary/ O Key words	2 4 0 6 6 0
23	"Product Information Privacy" OR "Product data Protection" OR "Product Information security" OR "Product data security" OR "Sensitive Product Data Protection" OR "Product Privacy Protection " W/1 "Digital Product Passport" OR "Supply Chain Digital Passport" OR "Product Data Passport" OR "Product Lifecycle Passport" "Product Information Privacy/ Product Information security/ Product data security/ Sensitive Product Data Protection/ Product Privacy Protection	YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)	subject/research area: Engineering, Computer Science, Sustainable Engineering	539 1358 318 Title	0 26 75 98 Summary/ 0 Key words	2 2 0 4 4 0
24	"Product Data privacy" W/2 "Digital Product Passport"	YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)	subject/research area: Engineering, Computer Science, Sustainable Engineering	Title	O Abstract/ Summary/ Key words	
25	"Product Information Privacy" OR "Product data Protection" OR "Product Information security" OR "Product data security" OR "Sensitive Product Data Protection" OR "Product Privacy Protection " W/2 "Digital Product Passport" OR "Supply Chain Digital Passport" OR "Product Data Passport" OR "Product Lifecycle Passport"	YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)	subject/research area: Engineering, Computer Science, Sustainable Engineering	Title	Abstract/ Summary/ Key words	
Cybersecurity threats in Digita Passport	Product "Cybersecurity Threats" W/1 "Digital Product Passport" Cybersecurity threats in Digital Product Passport	YEAR (2020-2025) Article Type: Journal Articles, conference papers 10 20 4 Language: English Sort by: relevance (Google Scholar)	subject/research area: Engineering, Computer Science, Sustainable Engineering	13 62 Title	O 8 9 Abstract/ Summary/ O Key words	2 4 6 5 1
27	"Informatiosn Security risks" OR "Cyber risks" OR "digital threats" OR "IT securiry vulnerabilities" OR "Online security threats" OR "Malicious Cyber activities" OR "Cyber intrusions" OR "Cyber breaches" OR "Unauthorized access" OR "Cyberattack" OR "Hacking incidents" OR "Security Violations" OR "Digitals break-ins" OR "IT system compromises" W/1 ""Digital Product Passport" OR "Supply Chain Digital Passport" OR "Product Data Passport" OR "Product Lifecycle Passport"	YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)	subject/research area: Engineering, Computer Science, Sustainable Engineering	0 33 0 Title	O O 5 O Summary/ O Key words	0 1 0 1 1 0
28	"Cybersecurity Threats" W/2 "Digital Product Passport"	YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)	subject/research area: Engineering, Computer Science, Sustainable Engineering	0 Title	O Abstract/ O Summary/ Key words	0 0 0
29	"Informatiosn Security risks" OR "Cyber risks" OR "digital threats" OR "IT securiry vulnerabilities" OR "Online security threats" OR "Malicious Cyber activities" OR "Cyber intrusions" OR "Cyber breaches" OR "Unauthorized access" OR "Cyberattack" OR "Hacking incidents" OR "Security Violations" OR "Digitals break-ins" OR "IT system compromises" W/2 ""Digital Product Passport" OR "Supply Chain Digital Passport" OR "Product Data Passport" OR "Product Lifecycle Passport""	YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)	subject/research area: Engineering, Computer Science, Sustainable Engineering	O Title	O Abstract/ O Summary/ Key words	
30 Ontology based digital product	passport "Ontology" W/1 "Digital Product Passport" Ontology based digital product passport	YEAR (2020-2025) Article Type: Journal Articles, conference papers 1 34 2 Language: English Sort by: relevance (Google Scholar)	subject/research area: Engineering, Computer Science, Sustainable Engineering	13 68 Title	1 7 8 Abstract/ Summary/ 1 Key words	3 3 7 7 0
31	"Knowledge Representation" OR "Conceptual model" OR "Semantic Framework" OR "Taxonomy" OR "Data Schema" W/1 "Digital Product Passport" OR "Supply Chain Digital Passport OR "Product Data Passport" OR "Product Lifecycle Passport" "Product Lifecycle Passport" "Knowledge Representation/ Conceptual model/ Semantic Framework/ Taxonomy/ Data Schema based Digital Product Passport/ Supply Chain Digital Passport/ Product Data Passport/ Product Lifecycle Passport	YEAR (2020-2025) Article Type: Journal Articles, conference papers 0 0 Language: English Sort by: relevance (Google Scholar)	subject/research area: Engineering, Computer Science, Sustainable Engineering	0 11 0 Title	O O 3 O Summary/ O Key words	
32	"Ontology" W/2 "Digital Product Passport"	YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)	subject/research area: Engineering, Computer Science, Sustainable Engineering	Title	Abstract/ Summary/ Key words	
33	"Knowledge Representation" OR "Conceptual model" OR "Semantic Framework" OR "Taxonomy" OR "Data Schema" W/2 "Digital Product Passport" OR "Supply Chain Digital Passport" OR "Product Data Passport" OR "Product Lifecycle Passport"	YEAR (2020-2025) Article Type: Journal Articles, conference papers 1 Language: English Sort by: relevance (Google Scholar)	subject/research area: Engineering, Computer Science, Sustainable Engineering	0 Title	O Abstract/ O Summary/ Key words	
34 Ontology based digital auther	tication "Ontology" W/1"digital Authentication" Ontology based digital authentication	YEAR (2020-2025) Article Type: Journal Articles, conference papers 0 201 1 Language: English Sort by: relevance (Google Scholar)	subject/research area: Engineering, Computer Science, Sustainable Engineering	61 588 0 Title	O 8 82 O Summary/ O Key words	2 1 0 3 3 0
35	"Knowledge Representation" OR "Conceptual model" OR "Semantic Framework" OR "Data Schema" W/1 "Digital Identity Verification" OR "Cyber authentication" OR "Identity validation" OR "Access verification" OR "Digital ID verification" OR "Authentication protocol" What is a separate in	YEAR (2020-2025) Article Type: Journal Articles, conference papers 1 5 Language: English Sort by: relevance (Google Scholar)	subject/research area: Engineering, Computer Science, Sustainable Engineering	4 49 0 Title	1 1 2 0 Summary/ Key words	
36	"Ontology" W/2"digital Authentication"	YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)	subject/research area: Engineering, Computer Science, Sustainable Engineering	Title	O Abstract/ Summary/ Key words	
37	"Knowledge Representation" OR "Conceptual model" OR "Semantic Framework" OR "Taxonomy" OR "Data Schema" W/2 "Digital Identity Verification" OR "Cyber authentication" OR "Identity validation" OR "Access verification" OR "Digital ID verification" OR "Authentication protocol"	YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)	subject/research area: Engineering, Computer Science, Sustainable Engineering	Title	1 Abstract/ Summary/ Key words	

38	Ontology based access control	"Ontology" W/1 "Access Control" Ontology based access control	YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)	2768	3320	subject/research area: Engineering, Computer Science, Sustainable Engineering		791	865	Title		39 68	0 Sum	tract/ imary/ words	0	3	0 3	3	0
39		"Knowledge Representation" OR "Conceptual model" OR "Semantic Framework" OR "Taxonomy" OR "Data Schema" W/1 "Access Management" OR "Authorization control" OR "Identity Access management" OR "User Access regulation" OR "Permission Control" OR "Access restrictions" OR "Security access management" Knowledge Representation / Conceptual model/ Semantic Framework / Taxonomy/ Data Schema based Access Management/ Authorization control / Identity Access management / User Access regulation / Permission Control / Access restrictions / Security access management	YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)	3	347	subject/research area: Engineering, Computer Science, Sustainable Engineering	0	2	0 (Title	0	0 0	0 Sum	itract/ imary/ 0 words	0	0	0 0		0
40		"Ontology" W/2 "Access Control"	YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)			subject/research area: Engineering, Computer Science, Sustainable Engineering	118			Title	7		Sum	tract/ mary/ words			0		0
41		"Knowledge Representation" OR "Conceptual model" OR "Semantic Framework" OR "Taxonomy" OR "Data Schema" W/2 "Access Management" OR "Authorization control" OR "Identity Access management" OR "User Access regulation" OR "Permission Control" OR "Access restrictions" OR " Security access management"	YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)			subject/research area: Engineering, Computer Science, Sustainable Engineering				Title			Sum	tract/ imary/ words			0		0
42	Ontology based data encryption	"Ontology" W/1 "data encryption" Ontology based data encryption	YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)	154	1620	subject/research area: Engineering, Computer Science, Sustainable Engineering	0	106	616 8	5 Title	0	4 78	8 Sum	itract/ imary/ 0 words	1	1	0 2	2	0
43		"Knowledge Representation" OR "Conceptual model" OR "Semantic Framework" OR "Data Schema" W/1 "Data encoding" OR "Information encryption" OR "Data Obfuscation" OR "Cryptography" OR "Data Scambling" OR "Data Protection" OR "Secure data transmission" OR "Manage encryption" OR "Manage encryption" OR "Manage encryption"	YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)	0	0	subject/research area: Engineering, Computer Science, Sustainable Engineering	8	0	0 8	Title	0	0	2 Sum	tract/ imary/ 0 words	0	0	0 0		0
44		"Ontology" W/2 "data encryption"	YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)			subject/research area: Engineering, Computer Science, Sustainable Engineering	0			Title	0		Sum	tract/ mary/ 0 words			0		0
45		"Knowledge Representation" OR "Conceptual model" OR "Semantic Framework" OR "Taxonomy" OR "Data Schema" W/2 "Data encoding" OR "Information encryption" OR "Data Obfuscation" OR "Cryptography" OR "Data Scambling" OR "Data Protection" OR "Secure data transmission" OR "Manage encryption"	YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)			subject/research area: Engineering, Computer Science, Sustainable Engineering	18			Title	1		Sum	tract/ imary/ words			0		0
46	Ontology based digital authentication in Digital Product Passport	"Ontology" W/1 "digital authentication" AND "Digital product Passport" Digital Product Passport	YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)	11	129	subject/research area: Engineering, Computer Science, Sustainable Engineering	0	5	42	Title	0	2 1	Sum	itract/ imary/ 0 words	1	1	2	2	0
47		("Knowledge Representation" OR "Conceptual model" OR "Semantic Framework" OR "Taxonomy" OR "Data Schema")W/1 ("digital identity verification" OR "Cyber authentication" OR "identity validation" OR "Access verification" OR "Access verification" OR "Authentication protocol") AND ("Digital Product Passport" OR "Supply Chain Digital Passport" OR "Product Data Passport" OR "Product Lifecycle Passport") Knowledge Representation / Conceptual model / Semantic Framework / Taxonomy / Data Schema based Digital Identity Verification / Cyber authentication / Identity validation / Access verification / Digital ID verification / Authentication protocol in Digital Product Passport / Product Data Passport" OR "Product Lifecycle Passport / Product Lifecycle Passport / Product Lifecycle Passport	YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)	0	7	subject/research area: Engineering, Computer Science, Sustainable Engineering	0	0	0 7	' Title	0	0 0	Sum	itract/ imary/ 0 words	0	0	0		0
48		"Ontology" W/2 "digital authentication" AND "Digital Product Passport"	YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)			subject/research area: Engineering, Computer Science, Sustainable Engineering	0			Title	0		Sum	tract/ imary/ 0 words			0		0
49		"Knowledge Representation" OR "Conceptual model" OR "Semantic Framework" OR "Taxonomy" OR "Data Schema" W/2 "Digital Identity Verification" OR "Cyber authentication" OR "Identity validation" OR "Access verification" OR "Digital ID verification" OR "Authentication protocol" AND "Digital Product Passport" OR "Supply Chain Digital Passport" OR "Product Data Passport" OR "Product Lifecycle Passport"	YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)			subject/research area: Engineering, Computer Science, Sustainable Engineering	0			Title	0		Sum	tract/ imary/ 0 words			0		0
50	Ontology based access control in Digital Product Passport	"Ontology" W/1 "Access control" AND "Digital Product Passport" Ontology based access control in Digital Product Passport	YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)	30	196	subject/research area: Engineering, Computer Science, Sustainable Engineering	1	14	72 0	Title	1	4 1	0 Sum	tract/ imary/ 1 words	3	1	0 5	5	0
51		"Knowledge Representation" OR "Conceptual model" OR "Semantic Framework" OR "Taxonomy" OR "Data Schema" W/1 "Access Management" OR "Authorization control" OR "Identity Access management" OR "User Access regulation" OR "Permission Control" OR "Access restrictions" OR "Security access management" AND "Digital Product Passport" OR "Supply Chain Digital Passport" OR "Product Data Passport" OR "Product Lifecycle Passport" Without Passport of Conceptual model / Semantic Framework / Taxonomy/ Data Schema based Access Management / Authorization control / Identity Access management / User Access regulation / Permission Control / Access restrictions / Security access management in Digital Product Passport / Product Data Passport / Product Lifecycle Passport / Lifecycle Passport	YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)	0	200	subject/research area: Engineering, Computer Science, Sustainable Engineering		0	0 0	Title		0 0	0 Sum	tract/ imary/ words	0	0	0 0		0
52		"Ontology" W/2 "Access control" AND "Digital Product Passport"	YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)			subject/research area: Engineering, Computer Science, Sustainable Engineering				Title	1		Sum	tract/ mary/ 1 words			1	1	0
53		"Knowledge Representation" OR "Conceptual model" OR "Semantic Framework" OR "Taxonomy" OR "Data Schema" W/2 "Access Management" OR "Authorization control" OR "Identity Access management" OR "User Access regulation" OR "Permission Control" OR "Access restrictions" OR "Security access management" AND "Digital Product Passport" OR "Supply Chain Digital Passport" OR "Product Data Passport" OR "Product Lifecycle Passport"	YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)			subject/research area: Engineering, Computer Science, Sustainable Engineering	0			Title	0		Sum	tract/ mary/ 0 words			0		0
54	Ontology based data encryption in Digital Product Passport	"Ontology" W/1 "data encryption" AND "digital Product Passport" Product passport	YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)	8	46	subject/research area: Engineering, Computer Science, Sustainable Engineering	0	4	23 (Title	0	2 4	0 Sum	itract/ imary/ 0 words	1	2	0 3	3	0
55		"Knowledge Representation" OR "Conceptual model" OR "Semantic Framework" OR "Taxonomy" OR "Data Schema" W/1 "Data encoding" OR "Information encryption" OR "Data Obfuscation" OR "Cryptography" OR "Data Scambling" OR "Data Protection" OR "secure data transmission" OR "Manage encryption in Digital Product Passport" OR "Supply Chain Digital Passport" OR "Product Data Passport" OR "Product Lifecycle Passport"	YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)	0	4	subject/research area: Engineering, Computer Science, Sustainable Engineering	0	0	0 0	Title	0	0 0	0 Sum	itract/ imary/ 0 words	0	0	0 0		0
56		"Ontology" W/2 "data encryption" AND "digital Product Passport"	YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)			subject/research area: Engineering, Computer Science, Sustainable Engineering	0			Title	0		0 Sum	itract/ imary/ 0 words			0 0		0

		"Knowledge Representation" OR "Conceptual																					
57		model" OR "Semantic Framework" OR "Taxonomy" OR "Data Schema" W/2 "Data encoding" OR "Information encryption" OR "Data Obfuscation" OR "Cryptography" OR "Data Scambling" OR "Data Protection" OR "secure data transmission" OR "Manage encryption" AND "Digital Product Passport" OR "Supply Chain Digital Passport" OR "Product Data Passport" OR "Product Lifecycle Passport"			YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)			area: E Con Sc Sust	t/research ngineering, mputer ience, tainable ineering	0			Title	0			Abstract/ Summary/ Key words	0			0 0		0
58	Large Language Models	"Large Language Models" AND OBAC			YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)	1524	765	865 area: El Coi Sc Sust	t/research ngineering, mputer ience, tainable ineering	2	642	825	.59 Title	1	7 6	9	Abstract/ Summary/ Key words	0	1	0	0 1	0	1
59	Large langauge models for Digital product passport	"Large langauge models" W/2 "Digital Product Passports"	Large language models(LLMs) for "digital product" passports		YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)	0	9	o area: El	t/research ngineering, mputer ience, tainable ineering		0	4	0 Title		9 0		Abstract/ Summary/ Key words		1	0	0 1	0	1
60			Large Language Models / Neural language models/ generative AI models/ Deep learning language models/ machine laerning language models/ Digital product passports/ Product Data Passport / Supply Chain Digital Passport / Product Lifecycle Passport		YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)		1	area: E Coi Sc Sust	t/research ngineering, mputer ience, tainable ineering			1	Title		0	l l	Abstract/ Summary/ Key words			0	0		0
61	Ontology engineering with large language models	"Large Language Model" w/1 "Ontology Engineering"	7 FTOQUECTENECYCLE FASSPOIT		YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)	1686	128	62 area: El Coi Sc Sust	t/research ngineering, mputer ience, tainable ineering	26	920	51	17 Title	5	9 5	2	Abstract/ Summary/ Key words		2	0	0 2	2	0
62	Access control Policies in Digital Product Passport	"Access Control Policy" W/1 "Digital Prodcut Passport"			YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)	114	162	o area: El	t/research ngineering, mputer ience, tainable ineering		51	63	0 Title		6 2	0	Abstract/ Summary/ Key words		0	0	0 0		0
63		"Access Control Policy" W/2 "Digital Prodcut Passport"			YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)			area: E Coi Sc Sust	t/research ngineering, mputer ience, tainable ineering				Title				Abstract/ Summary/ Key words				0		0
64		"Access Control Policy" W/3 "Digital Prodcut Passport"			YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)			area: E Coi Sc Sust	t/research ngineering, mputer ience, tainable ineering				Title			l l	Abstract/ Summary/ Key words				0		0
65	Product Data Templates in DPP	"Product Data Template" W/2 "Digital Product Passport"												2				1			1	1	0
66				Find peer-reviewed journal papers to understand Access control policies in Digital Product Passport Find peer-reviewed	YEAR (2020-2025) Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar) YEAR (2020-2025)	3	<u> </u>	area: E Coi Sc Sust Engi	t/research ngineering, mputer ience, tainable ineering		3		Title		3		Abstract/ Summary/ Key words		2		2	2	0
67				journal papers to understand Access control policies in Digital Product Passport within in Built environment	Article Type: Journal Articles, conference papers Language: English Sort by: relevance (Google Scholar)	3		area: E Coi Sc Sust	t/research ngineering, mputer ience, tainable ineering		3		Title	1			Abstract/ Summary/ Key words		1		1	1	0

Total Number of unique journals identified