water

MDPI

SUPPLEMENTARY MATERIALS

Article

Overview of Socio-Hydrology: A bibliometric analysis

Supplementary Materials:

Table S 1: Results of the co-occurrence network of author keywords.

Cluster	Co-occurrences	Links	Total Link Strength	Author-Keywords
1 (10 nodes) Political Water [Rojo]	25	15	32	Political Ecology
	23	17	29	Water Governance
	22	10	22	Hydrosocial Territories
	7	5	7	Governmentality
	7	6	10	Water Rights
	6	7	11	Urbanization
	6	4	8	Water Conservation
	6	3	4	Water Infrastructure
	5	6	11	Hydropower
	5	7	7	Water Transfers
2 (9 nodes) Water	16	17	30	Resilience
	12	14	30	Drought
	10	11	16	Sustainability
	10	9	21	Vulnerability
	9	10	16	Water Scarcity

Sustainability [verde]	8	9	11	Governance
	7	10	15	Flood
	7	5	6	Hydrosocial Contract
	5	9	12	Iwrm
3 (8 nodes) Water Management [azul]	23	13	24	Water Management
	16	13	30	Climate Change
	12	9	11	Groundwater
	7	7	12	Water Resources
	6	5	7	Hydrology
	6	9	13	Water Supply
	5	5	7	Interdisciplinary
	5	4	6	System Dynamics
4 (6 nodes) Hydrosocial Cycle amarillo	37	17	41	Hydrosocial Cycle
	12	11	16	Irrigation
	10	9	19	Modelling
	9	9	14	Water Security
	8	1	1	Socio-Hydrogeology
	6	8	11	Agriculture
5 (5 nodes) Socio-Hydrology [violeta]	134	34	137	Socio-Hydrology
	10	6	15	Flood Risk
	9	6	12	Flood Risk Management
	5	3	8	Agent-Based Modelling
	5	7	10	Institutions
6 (5 nodes) Water	33	17	42	Water
	17	15	24	Hydrosocial
	9	10	16	Infrastructure

Infrastructure	6	9	12	Flooding
[celeste]	5	5	6	Social-Ecological Systems

Table S 2: Co-citation-cited authors network

Cluster	Citations	Links	Total Link Strength	Authors
1	718	245	46475	Sivapalan, M.
	331	244	20258	Savenije, H.H.G.
	214	236	14077	Srinivasan, V.
	144	231	10192	Konar, M.
	140	224	8792	Liu, Y.
	123	201	8342	Montanari, A.
	118	228	9180	Pande, S.
	115	247	5722	Scott, C.A.
	106	222	6006	Falkenmark, M.
	106	229	6035	Gober, P.
	101	217	7785	Elshafei, Y.
	100	230	5983	Hoekstra, A.Y.
	96	194	7976	Kandasamy, J.
	91	222	5153	Wheater, H.S.
	90	193	7322	Hipsey, M.R.
	86	187	7495	Vigneswaran, S.
	77	210	5962	Garcia, M.
	77	201	5594	Rockstrom, J.
	77	199	6084	Tian, F.

71	199	5332	Wagener, T.
69	185	5861	Chanan, A.
69	212	3799	Wutich, A.
67	215	4000	Loucks, D.P.
65	203	3896	Cai, X.
64	198	4901	Tonts, M.
61	203	4421	Troy, T.J.
59	226	3418	Rodriguez-Iturbe, I.
56	214	3793	Van Der Zaag, P.
54	192	3623	Koutsoyiannis, D.
54	197	4695	Sanderson, M.R.
54	222	3220	Wescoat, J.L.
54	188	3789	Yan, K.
51	201	2872	Gorelick, S.M.
51	212	2938	Vorosmarty, C.J.
50	188	4160	Thompson, S.E.
46	188	3215	Dietz, T.
46	186	3408	Li, Z.
43	193	3457	Wang, D.
40	200	2473	Chhatre, A.
40	197	2886	Evans, T.P.
40	171	3050	Hu, H.
39	184	3216	Sivabalan, P.
38	184	3130	Sounthararajah, D.
37	192	2533	Pavao-Zuckerman, M.
36	193	2312	Young, G.

35	178	2983	Van Emmerik, T.H.M.
35	199	1983	Wada, Y.
34	169	2918	Harman, C.J.
34	190	1322	Kundzewicz, Z.W.
33	178	2010	Lall, U.
33	177	1848	Madani, K.
32	168	1753	Wang, H.
31	167	1354	Adamowski, J.
31	179	1910	Kumar, P.
30	195	1630	Brown, C.
30	209	1805	Krueger, T.
30	182	1684	Zhang, L.
29	186	2143	Hughes, D.
29	169	2650	Wei, Y.
28	176	1478	Famiglietti, J.S.
28	172	1188	Lettenmaier, D.P.
28	174	2455	Reed, P.
28	151	1162	Vogel, R.M.
27	200	1894	Lambin, E.F.
26	180	1277	Hanasaki, N.
26	17	60	Tundisi, J.G.
25	157	1256	Li, Y.
25	159	1266	Pincetl, S.
25	179	1808	Ren, L.L.
25	191	1899	Roobavannan, M.
24	172	1464	Aghakouchak, A.

	24	177	1169	Bierkens, M.F.P.
	24	187	1198	Gleeson, T.
	24	157	1085	Lund, J.R.
	24	188	1784	Rozelle, S.
	24	144	1336	Simonovic, S.P.
	24	181	1676	Steffen, W.
	23	133	923	Dirmeyer, P.A.
	23	49	1253	Jorgenson, A.K.
	23	196	1580	Van Loon, A.F.
	22	153	1110	Allen, R.G.
	22	123	807	Timar, G.
	22	178	1368	Yang, H.
	21	157	1851	Coletti, J.Z.
	21	139	939	Jakeman, A.J.
	21	179	1437	Mekonnen, M.M.
	21	187	1530	Thompson, B.H.
	21	151	1327	Troch, P.A.
	21	163	1417	Wanders, N.
	20	124	1253	Chapagain, A.K.
	20	99	558	Chen, Y.
	20	183	1192	Costanza, R.
	20	172	1168	Doll, P.
	20	146	1044	Wang, J.
2	629	241	25825	Boelens, R.
	486	230	16165	Swyngedouw, E.
	274	238	8391	Budds, J.

234	238	7027	Linton, J.
230	238	7501	Bakker, K.J.
180	198	8120	Hoogesteger, J.
149	216	5962	Wester, P.
142	225	7228	Vos, J.
110	242	4708	Molle, F.
103	147	4321	Foucault, M.
97	182	3418	Kaika, M.
91	153	3688	Harris, L.M.
87	172	2668	Loftus, A.
81	126	3450	Perreault, T.
80	168	1871	Nusser, M.
79	171	3830	Zwarteveen, M.
76	147	3814	Hommes, L.
74	183	2366	Latour, B.
60	235	3225	Warner, J.
51	98	979	Sauri, D.
50	144	2567	Baud, M.
50	115	1114	Strang, V.
46	179	1648	Castree, N.
44	209	2308	Bury, J.
44	164	1424	Harvey, D.
44	85	884	March, H.
43	149	1441	Robbins, P.
40	133	2702	Duarte-Abadia, B.
39	193	1338	Mollinga, P.P.

38	164	1627	Alatout, S.
38	172	1629	Meehan, K.
37	178	1136	Shah, T.
36	202	1752	Lane, S.N.
34	164	1070	Schmidt, S.
33	208	1765	Carey, M.
33	98	986	Gandy, M.
33	122	1026	Sultana, F.
32	204	1670	Mark, B.G.
32	128	1334	Mehta, L.
31	187	1242	Barnes, J.
31	101	1445	Bebbington, A.
31	182	1455	French, A.
30	198	1154	Cook, C.
30	130	864	Dame, J.
30	159	1374	Forsyth, T.
29	190	1527	Baraer, M.
29	145	1110	Bridge, G.
29	144	1226	Hinojosa, L.
28	137	1190	Heynen, N.
28	54	444	Kreutzmann, H.
28	99	1287	Ore, M.T.
28	88	1380	Rodriguez-De-Francisco, J.C.
28	100	1032	Sneddon, C.
27	135	1431	Maat, H.

	27	199	1792	Rusca, M.
	27	145	1551	Veldwisch, G.J.
	27	147	1060	Worster, D.
	26	132	656	Jackson, S.
	25	190	1419	Allan, J.A.
	25	153	745	Mustafa, D.
	25	138	1293	Roth, D.
	24	82	588	Jepson, W.
	24	136	670	Wilson, N.J.
	24	156	773	Zeitoun, M.
	23	96	899	Birkenholtz, T.
	23	107	854	Ferguson, J.
	23	168	1175	Fletcher, R.
	23	109	757	Li, T.M.
	23	92	1183	Seemann, M.
	23	100	742	Webber, M.
	23	195	1280	Young, K.R.
	22	139	692	Ahlers, R.
	22	110	526	Bouleau, G.
	22	108	1297	Damonte, G.
	22	128	845	Haraway, D.
	22	116	1218	Hoogendam, P.
	22	63	391	Ioris, A.A.R.
	22	76	496	Krause, F.
	22	120	887	Mccarthy, J.
	22	137	890	Rap, E.

	22	174	943	Wittfogel, K.A.
	21	95	879	Agnew, J.
	21	120	724	Banister, J.M.
	21	102	855	Baviskar, A.
	21	144	850	Bijker, W.E.
	21	128	818	Cohen, A.
	21	114	793	Smith, N.
	21	76	492	Sofoulis, Z.
	20	88	534	Baghel, R.
	20	94	909	Elden, S.
	20	132	972	Gupta, A.
	20	114	742	Martinez-Alier, J.
	20	159	895	Orlove, B.
	20	200	959	Williams, J.
3	135	221	8286	Folke, C.
	127	237	7445	Ostrom, E.
	102	197	7040	Carpenter, S.R.
	98	219	4814	Pahl-Wostl, C.
	81	175	1674	Brown, R.R.
	63	209	3768	Buytaert, W.
	62	189	4800	Anderies, J.M.
	59	183	4127	Walker, B.
	46	213	2149	Gleick, P.H.
	44	192	2856	Janssen, M.A.
	42	182	2579	Holling, C.S.
	36	175	2460	Scheffer, M.

	33	182	2450	Mostert, E.
	32	188	1616	Dewulf, A.
	30	162	1212	Berkes, F.
	30	181	1852	Biswas, A.K.
	29	187	1458	Adger, W.N.
	29	207	1519	Kallis, G.
	28	167	1953	Schluter, M.
	27	153	821	Eakin, H.
	27	192	1293	Green, P.
	25	183	1422	Clark, J.
	24	174	1117	Jeffrey, P.
	24	196	1992	Turner, B.L.
	22	185	1079	Karpouzoglou, T.
	22	157	688	Lebel, L.
	22	160	995	Olsson, P.
	22	57	989	Stromberg, J.C.
	21	157	1148	White, D.D.
	20	107	404	Keath, N.
	20	172	1141	Walker, W.E.
4	513	245	31110	Bloschl, G.
	344	237	20780	Di Baldassarre, G.
	249	219	15997	Viglione, A.
	210	238	13263	Carr, G.
	196	217	12660	Kuil, L.
	147	226	9824	Brandimarte, L.
	118	215	7512	Salinas, J.L.

	68	208	3584	Beven, K.J.
	60	200	4657	Chen, X.
	59	182	3435	Kreibich, H.
	56	178	2465	Aerts, J.C.J.H.
	47	189	2761	Scolobig, A.
	39	188	2528	Blair, P.
	39	162	2279	Merz, B.
	34	186	3402	Yu, D.J.
	29	207	1680	Hall, J.W.
	27	156	1495	Castellarin, A.
	26	181	1911	Kemerink, J.S.
	23	123	1146	Botzen, W.J.W.
	23	154	1535	Prskawetz, A.
	23	173	2194	Sangwan, N.
	22	139	586	Slovic, P.
	22	173	2054	Sung, K.
	21	152	881	Borga, M.
	21	95	769	Jongman, B.
	21	139	889	Kahneman, D.
	21	151	1506	Vorogushyn, S.
	21	173	1103	White, G.F.
5	80	240	4746	Kooy, M.
	36	214	2080	Wesselink, A.
	28	163	1580	Barreteau, O.
	27	124	648	Re, V.
	24	131	1095	Riaux, J.

	21	158	1270	Massuel, S.
	20	172	1377	Kuper, M.