Kai M A Chan

List of Publications by Year
in descending order

147 papers	19,303 citations	44069 48 h-index	12946 131 g-index
204 all docs	204 docs citations	204 times ranked	17929 citing authors

#	Article	IF	Citations
1	Modeling multiple ecosystem services, biodiversity conservation, commodity production, and tradeoffs at landscape scales. Frontiers in Ecology and the Environment, 2009, 7, 4-11.	4.0	1,809
2	Assessing nature's contributions to people. Science, 2018, 359, 270-272.	12.6	1,661
3	The IPBES Conceptual Framework â€" connecting nature and people. Current Opinion in Environmental Sustainability, 2015, 14, 1-16.	6.3	1,658
4	Pervasive human-driven decline of life on Earth points to the need for transformative change. Science, 2019, 366, .	12.6	1,213
5	Rethinking ecosystem services to better address and navigate cultural values. Ecological Economics, 2012, 74, 8-18.	5.7	1,111
6	Contributions of cultural services to the ecosystem services agenda. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8812-8819.	7.1	1,079
7	Why protect nature? Rethinking values and the environment. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1462-1465.	7.1	1,074
8	Conservation Planning for Ecosystem Services. PLoS Biology, 2006, 4, e379.	5.6	804
9	Where are Cultural and Social in Ecosystem Services? A Framework for Constructive Engagement. BioScience, 2012, 62, 744-756.	4.9	796
10	Conservation social science: Understanding and integrating human dimensions to improve conservation. Biological Conservation, 2017, 205, 93-108.	4.1	705
11	Humans and Nature: How Knowing and Experiencing Nature Affect Well-Being. Annual Review of Environment and Resources, 2013, 38, 473-502.	13.4	448
12	A socialâ€"ecological approach to conservation planning: embedding social considerations. Frontiers in Ecology and the Environment, 2013, 11, 194-202.	4.0	419
13	Mainstreaming the social sciences in conservation. Conservation Biology, 2017, 31, 56-66.	4.7	304
14	Ecosystem services and ethics. Ecological Economics, 2013, 93, 260-268.	5.7	303
15	Editorial overview: Relational values: what are they, and whatâ€™s the fuss about?. Current Opinion in Environmental Sustainability, 2018, 35, A1-A7.	6.3	276
16	LEAKY PREZYGOTIC ISOLATION AND POROUS GENOMES: RAPID INTROGRESSION OF MATERNALLY INHERITED DNA. Evolution; International Journal of Organic Evolution, 2005, 59, 720-729.	2.3	265
17	Navigating coastal values: Participatory mapping of ecosystem services for spatial planning. Ecological Economics, 2012, 82, 104-113.	5.7	255
18	When Agendas Collide: Human Welfare and Biological Conservation. Conservation Biology, 2007, 21, 59-68.	4.7	245

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19	Ecosystem Services and Beyond: Using Multiple Metaphors to Understand Humanâ€“Environment Relationships. BioScience, 2013, 63, 536-546.	4.9	232
20	Modeling benefits from nature: using ecosystem services to inform coastal and marine spatial planning. International Journal of Biodiversity Science, Ecosystem Services & Management, 2012, 8, 107-121.	2.9	217
21	The Challenges of Incorporating Cultural Ecosystem Services into Environmental Assessment. Ambio, 2013, 42, 675-684.	5.5	201
22	Culture, intangibles and metrics in environmental management. Journal of Environmental Management, 2013, 117, 103-114.	7.8	188
23	Relational values resonate broadly and differently than intrinsic or instrumental values, or the New Ecological Paradigm. PLoS ONE, 2017, 12, e0183962.	2.5	184
24	A protocol for eliciting nonmaterial values through a cultural ecosystem services frame. Conservation Biology, 2015, 29, 575-586.	4.7	144
25	Levers and leverage points for pathways to sustainability. People and Nature, 2020, 2, 693-717.	3.7	141
26	Ecosystemâ€Service Science and the Way Forward for Conservation. Conservation Biology, 2007, 21, 1383-1384.	4.7	136
27	What matters and why? Ecosystem services and their bundled qualities. Ecological Economics, 2014, 107, 310-320.	5.7	132
28	Ethical Considerations in On-Ground Applications of the Ecosystem Services Concept. BioScience, 2012, 62, 1020-1029.	4.9	120
29	Payments for Ecosystem Services: Rife With Problems and Potentialâ€”For Transformation Towards Sustainability. Ecological Economics, 2017, 140, 110-122.	5.7	116
30	Making sense of environmental values: a typology of concepts. Ecology and Society, 2017, 22, .	2.3	114
31	Caring for nature matters: a relational approach for understanding natureâ€™s contributions to human well-being. Current Opinion in Environmental Sustainability, 2018, 35, 22-29.	6.3	112
32	SYMMETREE: whole-tree analysis of differential diversification rates. Bioinformatics, 2005, 21, 1709-1710.	4.1	105
33	Whole-Tree Methods for Detecting Differential Diversification Rates. Systematic Biology, 2002, 51, 855-865.	5.6	96
34	Ecosystem Services in Conservation Planning: Targeted Benefits vs. Co-Benefits or Costs?. PLoS ONE, 2011, 6, e24378.	2.5	96
35	Cultural services and non-use values. , 2011, , 206-228.		83
36	Protecting ecosystem services and biodiversity in the world's watersheds. Conservation Letters, 2009, 2, 179-188.	5.7	82

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37	Detecting Diversification Rate Variation in Supertrees. Computational Biology, 2004, , 487-533.	0.2	79
38	From rational actor to efficient complexity manager: Exorcising the ghost of Homo economicus with a unified synthesis of cognition research. Ecological Economics, 2015, 114, 22-32.	5.7	76
39	Off-stage ecosystem service burdens: A blind spot for global sustainability. Environmental Research Letters, 2017, 12, 075001.	5.2	75
40	Human impacts and ecosystem services: Insufficient research for trade-off evaluation. Ecosystem Services, 2015, 16, 112-120.	5.4	74
41	Leadership: a New Frontier in Conservation Science. Conservation Biology, 2009, 23, 879-886.	4.7	72
42	Leaky prezygotic isolation and porous genomes: rapid introgression of maternally inherited DNA. Evolution; International Journal of Organic Evolution, 2005, 59, 720-9.	2.3	71
43	He Ê»ike Ê»ana ia i ka pono (it is a recognizing of the right thing): how one indigenous worldview informs relational values and social values. Sustainability Science, 2019, 14, 1213-1232.	4.9	68
44	Structuring decision-making for ecosystem-based management. Marine Policy, 2011, 35, 575-583.	3.2	64
45	Agriculture erases climateâ€driven Î²â€diversity in Neotropical bird communities. Global Change Biology, 2018, 24, 338-349.	9.5	60
46	Debunking trickle-down ecosystem services: The fallacy of omnipotent, homogeneous beneficiaries. Ecological Economics, 2016, 121, 175-180.	5.7	59
47	Ecosystem Services and Cultural Values as Building Blocks for â€˜The Good lifeâ€™. A Case Study in the Community of RÃ¸st, Lofoten Islands, Norway. Ecological Economics, 2017, 140, 166-176.	5.7	58
48	Where can tigers persist in the future? A landscape-scale, density-based population model for the Indian subcontinent. Biological Conservation, 2008, 141, 67-77.	4.1	56
49	Identifying key ecosystem service providing areas to inform national-scale conservation planning. Environmental Research Letters, 2021, 16, 014038.	5.2	55
50	Evosystem Services: Rapid Evolution and the Provision of Ecosystem Services. Trends in Ecology and Evolution, 2017, 32, 403-415.	8.7	54
51	Cascading social-ecological costs and benefits triggered by a recovering keystone predator. Science, 2020, 368, 1243-1247.	12.6	52
52	Spatial distribution of marine invasive species: environmental, demographic and vector drivers. Diversity and Distributions, 2014, 20, 824-836.	4.1	49
53	A more social science: barriers and incentives for scientists engaging in policy. Frontiers in Ecology and the Environment, 2014, 12, 161-166.	4.0	49
54	The maturation of ecosystem services: Social and policy research expands, but whither biophysically informed valuation?. People and Nature, 2020, 2, 1021-1060.	3.7	47

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55	Value and Advocacy in Conservation Biology: Crisis Discipline or Discipline in Crisis?. Conservation Biology, 2008, 22, 1-3.	4.7	43
56	Mechanisms and risk of cumulative impacts to coastal ecosystem services: An expert elicitation approach. Journal of Environmental Management, 2017, 199, 229-241.	7.8	43
57	Catching the Right Wave: Evaluating Wave Energy Resources and Potential Compatibility with Existing Marine and Coastal Uses. PLoS ONE, 2012, 7, e47598.	2.5	43
58	Identifying spatial priorities for protecting ecosystem services. F1000Research, 2012, 1, 17.	1.6	41
59	Evaluating ecosystem service trade-offs and synergies from slash-and-mulch agroforestry systems in El Salvador. Ecological Indicators, 2019, 105, 264-278.	6.3	40
60	Will communities â€œopen-upâ€•to offshore wind? Lessons learned from New England islands in the United States. Energy Research and Social Science, 2017, 34, 13-26.	6.4	36
61	Quantifying potential propagule pressure of aquatic invasive species from the commercial shipping industry in Canada. Marine Pollution Bulletin, 2012, 64, 295-302.	5.0	35
62	Approaching human-animal relationships from multiple angles: A synthetic perspective. Biological Conservation, 2018, 224, 50-62.	4.1	35
63	Why less complexity produces better forecasts: an independent data evaluation of kelp habitat models. Ecography, 2019, 42, 428-443.	4.5	34
64	Characterizing changes in marine ecosystem services. F1000 Biology Reports, 2010, 2, 54.	4.0	32
65	Representing mediating effects and species reintroductions in Ecopath with Ecosim. Ecological Modelling, 2011, 222, 1569-1579.	2.5	32
66	Bird Killer, Industrial Intruder or Clean Energy? Perceiving Risks to Ecosystem Services Due to an Offshore Wind Farm. Ecological Economics, 2018, 143, 111-129.	5.7	31
67	Human Diets and Animal Welfare: the Illogic of the Larder. Journal of Agricultural and Environmental Ethics, 2005, 18, 579-594.	1.7	30
68	Leaps of Faith: How Implicit Assumptions Compromise the Utility of Ecosystem Models for Decision-making. BioScience, 2015, 65, 43-54.	4.9	30
69	The Insignificance of Thresholds in Environmental Impact Assessment: An Illustrative Case Study in Canada. Environmental Management, 2018, 61, 1062-1071.	2.7	30
70	Can avian functional traits predict cultural ecosystem services?. People and Nature, 2020, 2, 138-151.	3.7	28
71	Integrative propositions for adapting conservation policy to the impacts of climate change. Global Environmental Change, 2010, 20, 351-362.	7.8	27
72	Scientific shortcomings in environmental impact statements internationally. People and Nature, 2020, 2, 369-379.	3.7	24

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73	Gone fishing? Intergenerational cultural shifts can undermine common property co-managed fisheries. Marine Policy, 2018, 90, 1-5.	3.2	23
74	A payment by any other name: Is Costa Ricaâ€™s PES a payment for services or a support for stewards?. World Development, 2020, 129, 104900.	4.9	23
75	Sea Otters Homogenize Mussel Beds and Reduce Habitat Provisioning in a Rocky Intertidal Ecosystem. PLoS ONE, 2013, 8, e65435.	2.5	22
76	Leveraging support for conservation from ecotourists: can relational values play a role?. Journal of Sustainable Tourism, 2020, 28, 497-514.	9.2	22
77	Accounting for Mode of Speciation Increases Power and Realism of Tests of Phylogenetic Asymmetry. American Naturalist, 1999, 153, 332-346.	2.1	20
78	5 Key Challenges and Solutions for Governing Complex Adaptive (Food) Systems. Sustainability, 2017, 9, 1594.	3.2	20
79	SATELLITE DETECTION OF BIRD COMMUNITIES IN TROPICAL COUNTRYSIDE. , 2007, 17, 1499-1510.		19
80	The payoff of conservation investments in tropical countryside. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 19342-19347.	7.1	19
81	Ecosystem Services. , 2017, , 39-78.		19
82	Perennial Staple Crops: Yields, Distribution, and Nutrition in the Global Food System. Frontiers in Sustainable Food Systems, 2020, 4, .	3.9	19
83	Group elicitations yield more consistent, yet more uncertain experts in understanding risks to ecosystem services in New Zealand bays. PLoS ONE, 2017, 12, e0182233.	2.5	18
84	An integrative framework for transformative social change: a case in global wildlife trade. Sustainability Science, 2022, 17, 171-189.	4.9	17
85	Sea otters, social justice, and ecosystemâ€service perceptions in Clayoquot Sound, Canada. Conservation Biology, 2017, 31, 343-352.	4.7	16
86	Octopusâ€™s garden under the blade: Boosting biodiversity increases willingness to pay for offshore wind in the United States. Energy Research and Social Science, 2020, 69, 101744.	6.4	16
87	Avian cultural services peak in tropical wet forests. Conservation Letters, 2021, 14, e12763.	5.7	16
88	Ethical Extensionism under Uncertainty of Sentience: Duties to Non-Human Organisms without Drawing a Line. Environmental Values, 2011, 20, 323-346.	1.2	15
89	Justice, Equity and Biodiversity. , 2013, , 434-441.		15
90	Ecological effect of a nonnative seagrass spreading in the Northeast Pacific: A review of Zostera japonica. Ocean and Coastal Management, 2014, 102, 375-382.	4.4	15

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91	Mapping cumulative impacts to coastal ecosystem services in British Columbia. PLoS ONE, 2020, 15, e0220092.	2.5	15
92	LEAKY PREZYGOTIC ISOLATION AND POROUS GENOMES: RAPID INTROGRESSION OF MATERNALLY INHERITED DNA. Evolution; International Journal of Organic Evolution, 2005, 59, 720.	2.3	13
93	Theories of the deep: combining salience and network analyses to produce mental model visualizations of a coastal British Columbia food web. Ecology and Society, 2015, 20, .	2.3	13
94	How Messaging Shapes Attitudes toward Sea Otters as a Species at Risk. Human Dimensions of Wildlife, 2017, 22, 142-156.	1.8	13
95	Wild Salmon Sustain the Effectiveness of Parasite Control on Salmon Farms: Conservation Implications from an Evolutionary Ecosystem Service. Conservation Letters, 2018, 11, e12395.	5.7	13
96	Managing Cultural Ecosystem Services for Sustainability. , 2016, , 343-358.		13
97	Valuation as destruction? The social effects of valuation processes in contested marine spaces. Marine Policy, 2018, 97, 170-178.	3.2	12
98	People and Natureâ€"A journal of relational thinking. People and Nature, 2019, 1, 4-5.	3.7	12
99	Local knowledge and relational values of Midwestern woody perennial polyculture farmers can inform treeâ€crop policies. People and Nature, 2022, 4, 180-200.	3.7	11
100	Reply to Kirchhoff: Cultural values and ecosystem services. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, .	7.1	10
101	Explicit Not Implicit Preferences Predict Conservation Intentions for Endangered Species and Biomes. PLoS ONE, 2017, 12, e0170973.	2.5	10
102	Woody perennial polycultures in the U.S. Midwest enhance biodiversity and ecosystem functions. Ecosphere, 2022, 13, e03890.	2.2	10
103	Measuring behavioral social learning in a conservation context: Chilean fishing communities. Conservation Science and Practice, 2021, 3, e336.	2.0	9
104	Do correlated responses to multiple environmental changes exacerbate or mitigate species loss?. Oikos, 2018, 127, 1724-1734.	2.7	8
105	Sustainability beyond city limits: can â€œgreenerâ€•beef lighten a cityâ€™s Ecological Footprint?. Sustainability Science, 2017, 12, 597-610.	4.9	7
106	Predicting carbon benefits from climate-smart agriculture: High-resolution carbon mapping and uncertainty assessment in El Salvador. Journal of Environmental Management, 2017, 202, 287-298.	7.8	7
107	A user-inspired framework and tool for restoring multifunctional landscapes: putting into practice stakeholder and scientific knowledge of landscape services. Landscape Ecology, 2020, 35, 2535-2548.	4.2	7
108	Lived experiences of â€˜peak waterâ€™ in the high mountains of Nepal and Peru. Climate and Development, 2022, 14, 268-281.	3.9	7

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109	The ghost of a giant â€“ Six hypotheses for how an extinct megaherbivore structured kelp forests across the North Pacific Rim. Global Ecology and Biogeography, 2021, 30, 2101-2118.	5.8	7
110	The roles of people in conservation. , 2010, , 262-283.		7
111	Testing the importance of patch scale on forest birds. Oikos, 2005, 111, 606-610.	2.7	6
112	Protecting Science from Abuse Requires a Broader Form of Outreach. PLoS Biology, 2005, 3, e218.	5.6	6
113	Climate change and biodiversity conservation: impacts, adaptation strategies and future research directions. F1000 Biology Reports, 2009, 1, 16.	4.0	6
114	Can Ecosystem Services Make Conservation Normal and Commonplace?. , 2017, , 225-252.		6
115	Precipitation and tree cover gradients structure avian alpha diversity in Northâ€western Costa Rica. Diversity and Distributions, 2019, 25, 1222-1233.	4.1	6
116	Spatial Correlations Don't Predict Changes in Agricultural Ecosystem Services: A Canada-Wide Case Study. Frontiers in Sustainable Food Systems, 2020, 4, .	3.9	6
117	From needs to actions: prospects for planned adaptations in high mountain communities. Climatic Change, 2020, 163, 953-972.	3.6	6
118	Reconnecting with the past and anticipating the future: A review of fisheriesâ€derived cultural ecosystem services in preâ€Hispanic Peru. People and Nature, 2021, 3, 129-147.	3.7	6
119	An Atlantic infaunal engineer is established in the Northeast Pacific: Clymenella torquata (Polychaeta:) Tj ETQq1 1 0.784314 rgBT /Ov	2.4	5
120	Acculturation as an ecosystem service? Urban natural space supports evolving relational values and identity in new female migrants. People and Nature, 2023, 5, 313-325.	3.7	5
121	Intransitivity and Future Generations: Debunking Parfit's Mere Addition Paradox. Journal of Applied Philosophy, 2003, 20, 187-200.	1.0	4
122	Scientists must conquer reluctance to speak out. Nature, 2004, 431, 1036-1036.	27.8	4
123	Making science relevant to marine ecosystem-based management. Biological Conservation, 2011, 144, 670-671.	4.1	4
124	Supporting Risk Assessment: Accounting for Indirect Risk to Ecosystem Components. PLoS ONE, 2016, 11, e0162932.	2.5	4
125	Conservation: in a rut, we need rut-inspired solutions. Nature, 2008, 451, 127-127.	27.8	3
126	Barriers and Incentives to Engagement in Public Policy and Scienceâ€based Advocacy. Bulletin of the Ecological Society of America, 2011, 92, 276-280.	0.2	3

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127	Response to Critique of â€œThe Insignificance of Thresholds in Environmental Impact Assessment: An Illustrative Case Study in Canadaâ€• Environmental Management, 2019, 64, 133-137.	2.7	3
128	People and nature: The emerging signature of a relational journal. People and Nature, 2022, 4, 592-595.	3.7	3
129	The Golden Rule and the Potentiality Principle: Future Persons and Contingent Interests. Journal of Applied Philosophy, 2004, 21, 33-42.	1.0	2
130	Accounting for Mode of Speciation Increases Power and Realism of Tests of Phylogenetic Asymmetry. American Naturalist, 1999, 153, 332.	2.1	2
131	Concern is more than just â€˜ruffled feathersâ€™. Nature, 2004, 428, 255-255.	27.8	1
132	Engaging Multiple Disciplines in Ecosystem Services Research and Assessment. BioScience, 2013, 63, 913-914.	4.9	1
133	Nonnative Species in British Columbia Eelgrass Beds Spread via Shellfish Aquaculture and Stay for the Mild Climate. Estuaries and Coasts, 2017, 40, 187-199.	2.2	1
134	Contemporary Evosystem Services: A Reply to Faith et al .. Trends in Ecology and Evolution, 2017, 32, 719-720.	8.7	1
135	Populations as "Species-in-Waiting"?. Science, 1998, 280, 2027g-2027.	12.6	1
136	Trading green backs for green crabs: evaluating the commercial shellfish harvest at risk from European green crab invasion. F1000Research, 2013, 2, 66.	1.6	1
137	Conservation Resentment Dissected. Conservation Biology, 2007, 21, 1380-1382.	4.7	0
138	An Economy for 2100. BioScience, 2016, 66, 522-524.	4.9	0
139	Sustainability: Steeped in Values, Animated by Process, and Structured (but Not Dictated) by Experts. BioScience, 2016, 66, 790-791.	4.9	0
140	The Death of Our Planetâ€™s Species. Environmental Ethics, 2005, 27, 433-436.	0.4	0
141	Mapping cumulative impacts to coastal ecosystem services in British Columbia. , 2020, 15, e0220092.		0
142	Mapping cumulative impacts to coastal ecosystem services in British Columbia. , 2020, 15, e0220092.		0
143	Mapping cumulative impacts to coastal ecosystem services in British Columbia. , 2020, 15, e0220092.		0
144	Mapping cumulative impacts to coastal ecosystem services in British Columbia. , 2020, 15, e0220092.		0

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145	Mapping cumulative impacts to coastal ecosystem services in British Columbia. , 2020, 15, e0220092.		0
146	Mapping cumulative impacts to coastal ecosystem services in British Columbia. , 2020, 15, e0220092.		0
147	Stellerâ€™s sea cow uncertain history illustrates importance of ecological context when interpreting demographic histories from genomes. Nature Communications, 2022, 13, .	12.8	0