# Fabio Rubio Scarano

List of Publications by Year
in descending order



| 122 | 5,684 | 117453 34 | 91712 69 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 123 | 123 | 123 | 6071 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Moment of truth for the Cerrado hotspot. Nature Ecology and Evolution, 2017, 1, 99. | 3.4 | 535 |
| 2 | Structure, Function and Floristic Relationships of Plant Communities in Stressful Habitats Marginal to the Brazilian Atlantic Rainforest. Annals of Botany, 2002, 90, 517-524. | 1.4 | 491 |
| 3 | Global priority areas for ecosystem restoration. Nature, 2020, 586, 724-729. | 13.7 | 489 |
| 4 | From hotspot to hopespot: An opportunity for the Brazilian Atlantic Forest. Perspectives in Ecology and Conservation, 2018, 16, 208-214. | 1.0 | 379 |
| 5 | Conservation in Brazil needs to include nonâ€forest ecosystems. Diversity and Distributions, 2015, 21, 1455-1460. | 1.9 | 273 |
| 6 | Brazilian Atlantic forest: impact, vulnerability, and adaptation to climate change. Biodiversity and Conservation, 2015, 24, 2319-2331. | 1.2 | 227 |
| 7 | Strategic approaches to restoring ecosystems can triple conservation gains and halve costs. Nature Ecology and Evolution, 2019, 3, 62-70. | 3.4 | 199 |
| 8 | Atlantic Forest spontaneous regeneration at landscape scale. Biodiversity and Conservation, 2015, 24, 2255-2272. | 1.2 | 120 |
| 9 | Plant communities at the periphery of the Atlantic rain forest: Rare-species bias and its risks for conservation. Biological Conservation, 2009, 142, 1201-1208. | 1.9 | 111 |
| 10 | Integrated ocean management for a sustainable ocean economy. Nature Ecology and Evolution, 2020, 4, 1451-1458. | 3.4 | 103 |
| 11 | Ecosystem-based adaptation to climate change: concept, scalability and a role for conservation science. Perspectives in Ecology and Conservation, 2017, 15, 65-73. | 1.0 | 100 |
| 12 | What Role Should Government Regulation Play in Ecological Restoration? Ongoing Debate in SÃ£o Paulo State, Brazil. Restoration Ecology, 2011, 19, 690-695. | 1.4 | 99 |
| 13 | Plant establishment on flooded and unflooded patches of a freshwater swamp forest in southeastern Brazil. Journal of Tropical Ecology, 1997, 13, 793-803. | 0.5 | 96 |
| 14 | Four sites with contrasting environmental stress in southeastern Brazil: relations of species, life form diversity, and geographic distribution to ecophysiological parameters. Botanical Journal of the Linnean Society, 2001, 136, 345-364. | 0.8 | 82 |
| 15 | Spatial variation in the structure and floristic composition of "restinga" vegetation in southeastern Brazil. Revista Brasileira De Botanica, 2007, 30, 543-551. | 0.5 | 75 |
| 16 | High abundance of dioecious plants in a tropical coastal vegetation. American Journal of Botany, 2005, 92, 1513-1519. | 0.8 | 72 |
| 17 | There is hope for achieving ambitious Atlantic Forest restoration commitments. Perspectives in Ecology and Conservation, 2019, 17, 80-83. | 1.0 | 69 |
| 18 | Species composition and biogeographic relations of the rock outcrop flora on the high plateau of Itatiaia, SE-Brazil. Revista Brasileira De Botanica, 2007, 30, 623-639. | 0.5 | 66 |

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|---|---|---|---|
| 19 | Regeneration of an Atlantic forest formation in the understorey of a Eucalyptus grandis plantation in south-eastern Brazil. Journal of Tropical Ecology, 1995, 11, 147-152. | 0.5 | 63 |
| 20 | ProduÃ§Ã£o de mudas de espÃ©cies das Restingas do municÃpio do Rio de Janeiro, RJ, Brasil. Acta Botanica Brasilica, 2004, 18, 161-176. | 0.8 | 62 |
| 21 | Restoration of a Restinga Sandy Coastal Plain in Brazil: Survival and Growth of Planted Woody Species. Restoration Ecology, 2006, 14, 87-94. | 1.4 | 61 |
| 22 | Resprouting and growth dynamics after fire of the clonal shrub Andira legalis (Leguminosae) in a sandy coastal plain in south-eastern Brazil. Journal of Ecology, 2001, 89, 351-357. | 1.9 | 58 |
| 23 | Evidence for seed dispersal by the catfish Auchenipterichthys longimanus in an Amazonian lake. Journal of Tropical Ecology, 2003, 19, 215-218. | 0.5 | 56 |
| 24 | Occurrence of the lutein-epoxide cycle in mistletoes of the Loranthaceae and Viscaceae. Planta, 2003, 217, 868-879. | 1.6 | 54 |
| 25 | Periodicity of growth rings in some flood-prone trees of the Atlantic Rain Forest in Rio de Janeiro, Brazil. Trees - Structure and Function, 2001, 15, 492-497. | 0.9 | 53 |
| 26 | Normas jurÃdicas para a restauraÃ§Ã£o ecolÃ³gica: uma barreira a mais a dificultar o Ãªxito das iniciativas?. Revista Arvore, 2010, 34, 471-485. | 0.5 | 45 |
| 27 | Ecophysiology of selected tree species in different plant communities at the periphery of the Atlantic Forest of SEâ€"Brazil III. Three legume trees in a semi-deciduous dry forest. Trees - Structure and Function, 2005, 19, 523-530. | 0.9 | 42 |
| 28 | Ramet demography of a nurse bromeliad in Brazilian restingas. American Journal of Botany, 2005, 92, 674-681. | 0.8 | 41 |
| 29 | Plant community structure and function in a swamp forest within the Atlantic rain forest complex: a synthesis. Rodriguesia, 2006, 57, 491-502. | 0.9 | 41 |
| 30 | Rock outcrop vegetation in Brazil: a brief overview. Revista Brasileira De Botanica, 2007, 30, 561-568. | 0.5 | 39 |
| 31 | Title is missing!. Plant Ecology, 2003, 168, 291-296. | 0.7 | 38 |
| 32 | Ecophysiology of six selected shrub species in different plant communities at the periphery of the Atlantic Forest of SE-Brazil. Flora: Morphology, Distribution, Functional Ecology of Plants, 2005, 200, 456-476. | 0.6 | 37 |
| 33 | Physiological ecology of photosynthesis of five sympatric species of Velloziaceae in the rupestrian fields of Serra do CipÃ³, Minas Gerais, Brazil. Flora: Morphology, Distribution, Functional Ecology of Plants, 2007, 202, 637-646. | 0.6 | 37 |
| 34 | Leaf anatomical variation in Alchornea triplinervia (Spreng) MÃ¼ll. Arg. (Euphorbiaceae) under distinct light and soil water regimes. Botanical Journal of the Linnean Society, 2001, 136, 231-238. | 0.8 | 36 |
| 35 | Canopy composition influencing plant patch dynamics in a Brazilian sandy coastal plain. Journal of Tropical Ecology, 2005, 21, 343-347. | 0.5 | 35 |
| 36 | Syntropy and innovation in agriculture. Current Opinion in Environmental Sustainability, 2020, 45, 20-24. | 3.1 | 35 |

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|---|---|---|---|
| 37 | Brazilian LTER: Ecosystem and Biodiversity Information in Support of Decision-Making. Environmental Monitoring and Assessment, 2004, 90, 121-133. | 1.3 | 34 |
| 38 | Forest restoration can increase the Rio Doce watershed resilience. Perspectives in Ecology and Conservation, 2017, 15, 187-193. | 1.0 | 34 |
| 39 | Directional growth of a clonal bromeliad species in response to spatial habitat heterogeneity. Evolutionary Ecology, 2004, 18, 429-442. | 0.5 | 33 |
| 40 | Ecophysiological and floristic implications of sex expression in the dioecious neotropical CAM tree Clusia hilariana Schltdl.. Trees - Structure and Function, 2001, 15, 278-288. | 0.9 | 32 |
| 41 | Ecophysiology of selected tree species in different plant communities at the periphery of the Atlantic Forest of SE Brazil I. Performance of three different species of Clusia in an array of plant communities. Trees - Structure and Function, 2005, 19, 497-509. | 0.9 | 32 |
| 42 | The effect of light levels on daily patterns of chlorophyll fluorescence and organic acid accumulation in the tropical CAM treeClusia hilariana. Trees - Structure and Function, 1996, 10, 359-365. | 0.9 | 31 |
| 43 | Leaf anatomy plasticity of Alchornea triplinervia (Euphorbiaceae) under distinct light regimes in a Brazilian montane Atlantic rain forest. Trees - Structure and Function, 1997, 11, 469-473. | 0.9 | 31 |
| 44 | The effect of light levels on daily patterns of chlorophyll fluorescence and organic acid accumulation in the tropical CAM tree. Trees - Structure and Function, 1996, 10, 359. | 0.9 | 31 |
| 45 | Aboveground biomass stock of native woodland on a Brazilian sandy coastal plain: Estimates based on the dominant tree species. Forest Ecology and Management, 2006, 226, 364-367. | 1.4 | 30 |
| 46 | Clusia as Nurse Plant. , 2007, , 55-71. | | 30 |
| 47 | Ontogeny and the concept of anoxia-tolerance: the case of the Amazonian leguminous treeParkia pendula. Journal of Tropical Ecology, 1992, 8, 349-352. | 0.5 | 29 |
| 48 | Restoration of a coastal swamp forest in southeast Brazil. Wetlands Ecology and Management, 2010, 18, 435-448. | 0.7 | 28 |
| 49 | Biodiversity research still falls short of creating links with ecosystem services and human well-being in a global hotspot. Ecosystem Services, 2018, 34, 68-73. | 2.3 | 28 |
| 50 | Perspectives on biodiversity science in Brazil. Scientia Agricola, 2007, 64, 439-447. | 0.6 | 27 |
| 51 | ANATOMICAL FEATURES OF GROWTH RINGS IN FLOOD-PRONE TREES OF THE ATLANTIC RAIN FOREST IN RIO DE JANEIRO, BRAZIL. IAWA Journal, 2001, 22, 29-42. | 2.7 | 25 |
| 52 | Ecosystem-based adaptation to climate change: defining hotspot municipalities for policy design and implementation in Brazil. Mitigation and Adaptation Strategies for Global Change, 2018, 23, 981-993. | 1.0 | 25 |
| 53 | Ecophysiology. Revista Brasileira De Botanica, 2004, 27, 1-10. | 0.5 | 25 |
| 54 | Subordinate, not dominant, woody species promote the diversity of climbing plants. Perspectives in Plant Ecology, Evolution and Systematics, 2012, 14, 257-265. | 1.1 | 24 |

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|---|---|---|---|
| 55 | Root carbohydrate storage in young saplings of an Amazonian tidal vÃ¡rzea forest before the onset of the wet season. Acta Botanica Brasilica, 1994, 8, 129-139. | 0.8 | 24 |
| 56 | In situ measurements of carbon and nitrogen distribution and composition, photochemical efficiency and stable isotope ratios in Araucaria angustifolia. Trees - Structure and Function, 2005, 19, 422-430. | 0.9 | 22 |
| 57 | The Future of the Caatinga. , 2017, , 461-474. | | 22 |
| 58 | Diurnal patterns of chlorophyll a fluorescence and stomatal conductance in species of two types of coastal tree vegetation in southeastern Brazil. Trees - Structure and Function, 1997, 11, 363-369. | 0.9 | 21 |
| 59 | Structure and phytogeographic relationships of swamp forests of Southeast Brazil. Acta Botanica Brasilica, 2013, 27, 647-660. | 0.8 | 21 |
| 60 | Fire drives abandoned pastures to a savanna-like state in the Brazilian Atlantic Forest. Perspectives in Ecology and Conservation, 2020, 18, 31-36. | 1.0 | 21 |
| 61 | Brazilian assessment on biodiversity and ecosystem services: summary for policy makers. Biota Neotropica, 2019, 19, . | 0.2 | 21 |
| 62 | O Protagonismo do Brasil no HistÃ³rico Acordo Global de ProteÃ§Ã£o Ã Biodiversidade. Natureza A Conservacao, 2010, 08, 197-200. | 2.5 | 21 |
| 63 | Physiological synecology of tree species in relation to geographic distribution and ecophysiological parameters at the Atlantic forest periphery in Brazil: an overview. Trees - Structure and Function, 2005, 19, 493-496. | 0.9 | 20 |
| 64 | Low fruit set in the abundant dioecious tree Clusia hilariana (Clusiaceae) in a Brazilian restinga. Flora: Morphology, Distribution, Functional Ecology of Plants, 2006, 201, 606-611. | 0.6 | 19 |
| 65 | Ecosystem services or natureâ€™s contributions? Reasons behind different interpretations in Latin America. Ecosystem Services, 2020, 42, 101070. | 2.3 | 19 |
| 66 | Diurnal patterns of chlorophyll. Trees - Structure and Function, 1997, 11, 363. | 0.9 | 19 |
| 67 | Leaf anatomy variation within and between three "restinga" populations of Erythroxylum ovalifolium Peyr: (Erythroxylaceae) in Southeast Brazil. Revista Brasileira De Botanica, 2006, 29, 209-215. | 0.5 | 18 |
| 68 | Clonality strongly affects the spatial genetic structure of the nurse speciesAechmea nudicaulis(L.) Griseb. (Bromeliaceae). Botanical Journal of the Linnean Society, 2015, 178, 329-341. | 0.8 | 18 |
| 69 | Brazilian List of Threatened Plant Species: Reconciling Scientific Uncertainty and Political Decision-Making. Natureza A Conservacao, 2010, 08, 13-18. | 2.5 | 18 |
| 70 | Comparison of the performance of three different ecophysiological life forms in a sandy coastal restinga ecosystem of SE-Brazil: a nodulated N2-fixing C3-shrub (Andira legalis (Vell.) Toledo), a CAM-shrub (Clusia hilariana Schltdl.) and a tap root C3-hemicryptophyte (Allagoptera arenaria) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 13 | 0.9 | 17 |
| 71 | Increasing effectiveness of the science-policy interface in the socioecological arena in Brazil. Biological Conservation, 2019, 240, 108227. | 1.9 | 16 |
| 72 | Systematic review of soil ecosystem services in tropical regions. Royal Society Open Science, 2021, 8, 201584. | 1.1 | 16 |

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| 73 | Rehabilitation of a Bauxite Tailing Substrate in Central Amazonia: The Effect of Litter and Seed Addition on Floodâ€Prone Forest Restoration. Restoration Ecology, 2012, 20, 483-489. | 1.4 | 15 |
| 74 | Evoâ€“Devoâ€“Eco and Ecological Stem Species: Potential Repair Systems in the Planetary Biosphere Crisis. Progress in Botany Fortschritte Der Botanik, 2013, , 191-212. | 0.1 | 15 |
| 75 | Spatial segregation of subordinate species is not controlled by the dominant species in a tropical coastal plant community. Perspectives in Plant Ecology, Evolution and Systematics, 2016, 18, 23-32. | 1.1 | 15 |
| 76 | Land use policy as a driver for climate change adaptation: A case in the domain of the Brazilian Atlantic forest. Land Use Policy, 2018, 72, 563-569. | 2.5 | 15 |
| 77 | Strategies to reach global sustainability should take better account of ecosystem services. Ecosystem Services, 2021, 49, 101292. | 2.3 | 15 |
| 78 | Synecological comparisons sustained by ecophysiological fingerprinting of intrinsic photosynthetic capacity of plants as assessed by measurements of light response curves. Revista Brasileira De Botanica, 2007, 30, . | 0.5 | 15 |
| 79 | In situ variation in leaf anatomy and morphology of Andira legalis (Leguminosae) in two neighbouring but contrasting light environments in a Brazilian sandy coastal plain. Acta Botanica Brasilica, 2009, 23, 267-273. | 0.8 | 14 |
| 80 | Functional traits behind the association between climbers and subordinate woody species. Journal of Vegetation Science, 2014, 25, 715-723. | 1.1 | 14 |
| 81 | Caatinga: legado, trajetÃ³ria e desafios rumo Ã sustentabilidade. CiÃªncia E Cultura, 2018, 70, 25-29. | 0.5 | 14 |
| 82 | RADIAL GROWTH DYNAMICS OF TABEBUIA UMBELLATA (BIGNONIACEAE), A FLOOD-TOLERANT TREE FROM THE ATLANTIC FOREST SWAMPS IN BRAZIL. IAWA Journal, 2004, 25, 175-183. | 2.7 | 13 |
| 83 | The Emergence of Sustainability. , 2019, , 51-71. | | 12 |
| 84 | Morphological Variation in Two Facultative Epiphytic Bromeliads Growing on the Floor of a Swamp Forest1. Biotropica, 2003, 35, 546-550. | 0.8 | 11 |
| 85 | Plant-Plant and Plant-Topography Interactions on a Rock Outcrop at High Altitude in Southeastern Brazil1. Biotropica, 2005, 38, 051130073743001. | 0.8 | 11 |
| 86 | Climate Change and Biodiversity in the Atlantic Forest: Best Climatic Models, Predicted Changes and Impacts, and Adaptation Options. , 2021, , 253-267. | | 11 |
| 87 | Biogeographic Features of Clusia, with Emphasis on South American and Especially Brazilian Species. Ecological Studies, 2007, , 31-54. | 0.4 | 10 |
| 88 | Does ecophysiological behaviour explain habitat occupation of sympatric Clusia species in a Brazilian Atlantic rainforest?. Trees - Structure and Function, 2015, 29, 1973-1988. | 0.9 | 10 |
| 89 | Biodiversity Sector: Risks of Temperature Increase to Biodiversity and Ecosystems. , 2019, , 131-141. | | 10 |
| 90 | Reproductive Biology. , 2007, , 73-94. | | 10 |

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| 91 | Searching for solutions to the conflict over Europe's oldest forest. Conservation Biology, 2019, 33, 476-479. | 2.4 | 9 |
| 92 | Topography and vegetation structure mediate drought impacts on the understory of the South American Atlantic Forest. Science of the Total Environment, 2021, 766, 144234. | 3.9 | 9 |
| 93 | Toward integrating private conservation lands into national protected area systems: Lessons from a megadiversity country. Conservation Science and Practice, 2021, 3, e433. | 0.9 | 9 |
| 94 | Limited relevance of studying colonization in degraded areas for selecting framework species for ecosystem restoration. Natureza A Conservacao, 2014, 12, 134-137. | 2.5 | 8 |
| 95 | Vegetation cover and land use of a protected coastal area and its surroundings, southeast Brazil. Rodriguesia, 2013, 64, 747-755. | 0.9 | 8 |
| 96 | CLIMATE CHANGE AND â€œCAMPOS DE ALTITUDEâ€• FORECASTS, KNOWLEDGE AND ACTION GAPS IN BRAZIL. Oecologia Australis, 2016, 20, 139-144. | 0.1 | 8 |
| 97 | Availability peak of caloric fruits coincides with energy-demanding seasons for resident and non-breeding birds in restinga, an ecosystem related to the Atlantic forest, Brazil. Flora: Morphology, Distribution, Functional Ecology of Plants, 2010, 205, 647-655. | 0.6 | 7 |
| 98 | Emergence and Sustainment of Humankind on Earth: The Categorical Imperative. , 2019, , 235-254. | | 6 |
| 99 | Plant morpho-physiological variation under distinct environmental extremes in restinga vegetation. Rodriguesia, 2009, 60, 221-235. | 0.9 | 5 |
| 100 | Population structure and one-year dynamics of the endangered tropical tree species Caesalpinia echinata Lam. (Brazilian red-wood): the potential importance of small fragments for conservation. Rodriguesia, 2009, 60, 211-220. | 0.9 | 5 |
| 101 | Environmental and geographical space partitioning between core and peripheral Myrsine species (Primulaceae) of the Brazilian Atlantic Forest. Botanical Journal of the Linnean Society, 2018, 187, 633-652. | 0.8 | 5 |
| 102 | Population Biology of Different Clusia Species in the State of Rio de Janeiro. , 2007, , 117-127. | | 5 |
| 103 | Turning Water Abundance Into Sustainability in Brazil. Frontiers in Environmental Science, 2021, 9, . | 1.5 | 5 |
| 104 | Regional and local determinants of drought resilience in tropical forests. Ecology and Evolution, 2022, 12, . | 0.8 | 5 |
| 105 | Reply to: Restoration prioritization must be informed by marginalized people. Nature, 2022, 607, E7-E9. | 13.7 | 5 |
| 106 | Fine-scale spatial genetic structure, neighbourhood size and gene dispersal in clonal plants: exploring the best possible estimates. Botanical Journal of the Linnean Society, 2020, 192, 760-772. | 0.8 | 4 |
| 107 | Glass Half-Full or Half-Empty? A Fire-Resistant Species Triggers Divergent Regeneration in Low-Resilience Pastures. Frontiers in Forests and Global Change, 2020, 3, . | 1.0 | 4 |
| 108 | A profile of the impact of Acta Botanica Brasilica: reflections on how to improve visibility and recognition of a scientific journal. Acta Botanica Brasilica, 2009, 23, 606-611. | 0.8 | 4 |

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| 109 | SumÃ¡rio para tomadores de decisÃ£o: 1Âº diagnÃ³stico brasileiro de biodiversidade e serviÃ§os ecossistÃªmicos. , 2018, , . | | 4 |
| 110 | Megadiversity. , 2024, , 868-884. | | 4 |
| 111 | Morphological Variation in Two Facultative Epiphytic Bromeliads Growing on the Floor of a Swamp Forest1. Biotropica, 2003, 35, 546. | 0.8 | 3 |
| 112 | Features of CAM-cycling expressed in the dry season by terrestrial and epiphytic plants of Clusia arrudae Planchon & Triana in two rupestrian savannas of southeastern Brazil in comparison to the C3-species Eremanthus glomerulatus Less.. Trees - Structure and Function, 2016, 30, 913-922. | 0.9 | 3 |
| 113 | Production and international trade: challenges for achieving targets 6 and 11 of the Global Strategy for Plant Conservation in Brazil. Rodriguesia, 2018, 69, 1577-1585. | 0.9 | 3 |
| 114 | Twenty-Five Years of Restoration of anÂlgapÃ³ Forest in Central Amazonia, Brazil. , 2018, , 279-294. | | 3 |
| 115 | Ecophysiological performance of four species of Clusiaceae with different modes of photosynthesis in a mosaic of riverine, rupestrian grasslands, and cerrado vegetation in SE-Brazil. Trees - Structure and Function, 2019, 33, 641-652. | 0.9 | 3 |
| 116 | Atlantic Forest: Ecosystem Services Linking People and Biodiversity. , 2021, , 347-367. | | 3 |
| 117 | Why publish?. Revista Brasileira De Botanica, 2008, 31, 189-194. | 0.5 | 3 |
| 118 | Brazil on the spot: Rio+20, sustainability and a role for science. Revista Brasileira De Botanica, 2012, 35, 233-239. | 0.5 | 3 |
| 119 | Minimum costs to conserve 80% of the Brazilian Amazon. Perspectives in Ecology and Conservation, 2022, 20, 216-222. | 1.0 | 3 |
| 120 | Carbon Sequestration: what really matters? - A reply to Buckeridge & Aidar. Biota Neotropica, 2002, 2, 1-5. | 1.0 | 2 |
| 121 | Editorial note for the special collection â€œTrees and Restorationâ€• Trees - Structure and Function, 2021, 35, 1419-1421. | 0.9 | 0 |
| 122 | O NORMAL E O TRANSGRESSOR: RELEITURA DE ESTEVES 1982. Oecologia Australis, 2022, 26, 109-111. | 0.1 | 0 |