

# Katsuhisa Taguchi

## List of Publications by Year in descending order

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23  
papers

386  
citations

840776

11  
h-index

752698

20  
g-index

23  
all docs

23  
docs citations

23  
times ranked

594  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photovoltaic chiral magnetic effect in Weyl semimetals. Physical Review B, 2016, 93, .	3.2	61
2	Spin-orbit coupling induced valley Hall effects in transition-metal dichalcogenides. Communications Physics, 2019, 2, .	5.3	56
3	Photovoltaic anomalous Hall effect in line-node semimetals. Physical Review B, 2016, 94, .	3.2	51
4	Giant magnetoresistance in the junction of two ferromagnets on the surface of diffusive topological insulators. Physical Review B, 2014, 89, .	3.2	27
5	Ultrafast Magnetic Vortex Core Switching Driven by the Topological Inverse Faraday Effect. Physical Review Letters, 2012, 109, 127204.	7.8	23
6	Theory of inverse Faraday effect in a disordered metal in the terahertz regime. Physical Review B, 2011, 84, .	3.2	22
7	Anomalous Hall conductivity due to vector spin chirality in the weak coupling regime. Physical Review B, 2009, 79, .	3.2	16
8	Electromagnetic effects induced by a time-dependent axion field. Physical Review B, 2018, 97, .	3.2	15
9	Spin-charge transport driven by magnetization dynamics on the disordered surface of doped topological insulators. Physical Review B, 2015, 92, .	3.2	14
10	Valley Edelstein effect in monolayer transition-metal dichalcogenides. Physical Review B, 2018, 98, .	3.2	14
11	Theory of tunneling conductance of anomalous Rashba metal/superconductor junctions. Physical Review B, 2015, 92, .	3.2	11
12	Axial current driven by magnetization dynamics in Dirac semimetals. Physical Review B, 2015, 91, .	3.2	11
13	Spin and charge transport induced by a twisted light beam on the surface of a topological insulator. Physical Review B, 2016, 93, .	3.2	10
14	Spin Hall conductivity in topological Dirac semimetals. Physical Review B, 2020, 101, .	3.2	10
15	Theory of spin relaxation torque in metallic ferromagnets. Physical Review B, 2010, 82, .	3.2	9
16	Josephson current in a normal-metal nanowire coupled to a superconductor/ferromagnet/superconductor junction. Physical Review B, 2016, 93, .	3.2	9
17	Proposal for an active electromagnetic metamaterial based on spin-torque oscillators. Physical Review B, 2013, 87, .	3.2	7
18	Tunneling Conductance in Two-Dimensional Junctions between a Normal Metal and a Ferromagnetic Rashba Metal. Journal of the Physical Society of Japan, 2018, 87, 034710.	1.6	7

#	ARTICLE	IF	CITATIONS
19	Monopoles in ferromagnetic metals. Journal of the Korean Physical Society, 2012, 61, 1331-1348.	0.7	6
20	Unconventional gate voltage dependence of the charge conductance caused by spin-splitting Fermi surface by Rashba-type spin-orbit coupling. Physica E: Low-Dimensional Systems and Nanostructures, 2019, 114, 113615.	2.7	4
21	Inverse faraday effect driven by spin chirality in weak ferromagnets. Journal of the Korean Physical Society, 2013, 62, 1759-1762.	0.7	1
22	Equilibrium axial current due to a static localized spin in Weyl semimetals. Journal of Physics: Conference Series, 2014, 568, 052032.	0.4	1
23	Electromagnetic effect on disordered surface of topological insulators. Journal of Magnetism and Magnetic Materials, 2016, 400, 188-190.	2.3	1