Eiji Shikoh

List of Publications by Year
in descending order

36 papers	749 citations	687363 13 h-index	526287 27 g-index
36 all docs	36 docs citations	36 times ranked	1092 citing authors

#	Article	IF	Citations
1	Glass-patternable notch-shaped microwave architecture for on-chip spin detection in biological samples. Lab on A Chip, 2022, 22, 2519-2530.	6.0	4
2	Spin injection into vanadium dioxide films from a typical ferromagnetic metal, across the metalâ€“insulator transition of the vanadium dioxide films. AIP Advances, 2021, 11, .	1.3	4
3	An energy harvesting technology controlled by ferromagnetic resonance. AIP Advances, 2021, 11, 085114.	1.3	1
4	Coplanar waveguides fabricated by directly bonding metal foils to high-resistivity Si substrates. , 2021, , .		0
5	Spin-pump-induced spin transport in a thermally-evaporated pigment-red film. Solid State Communications, 2020, 312, 113898.	1.9	8
6	Spin Transport in Poly-Acene Films and the Derivative Films by Using the Spin Pumping. IEEE Transactions on Magnetics, 2019, 55, 1-4.	2.1	11
7	Low-magnetic field effect and electrically detected magnetic resonance measurements of photocurrent in vacuum vapor deposition films of weak charge-transfer pyrene/dimethylpyromellitdiimide (Py/DMPI) complex. Journal of Chemical Physics, 2019, 151, 244704.	3.0	3
8	Self-induced inverse spin-Hall effect in an iron and a cobalt single-layer films themselves under the ferromagnetic resonance. AIP Advances, 2018, 8, .	1.3	8
9	Spin current relaxation time in thermally evaporated pentacene films. Applied Physics Letters, 2017, 110, 032403.	3.3	16
10	Strong evidence for d-electron spin transport at room temperature at a LaAlO3/SrTiO3 interface. Nature Materials, 2017, 16, 609-614.	27.5	55
11	Photoconductivity and magnetoconductance effects on vacuum vapor deposition films of weak charge-transfer complexes. Physical Chemistry Chemical Physics, 2017, 19, 18845-18853.	2.8	7
12	Transport and spin conversion of multicarriers in semimetal bismuth. Physical Review B, 2016, 93, .	3.2	41
13	Spin-pump-induced spin transport in a thermally evaporated pentacene film. Applied Physics Letters, 2015, 107, .	3.3	25
14	Conversion of pure spin current to charge current in amorphous bismuth. Journal of Applied Physics, 2014, 115, 17C507.	2.5	19
15	Self-induced inverse spin Hall effect in permalloy at room temperature. Physical Review B, 2014, 89, .	3.2	113
16	Spin-Pump-Induced Spin Transport in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi></mml:math>-Type Si at Room Temperature. Physical Review Letters, 2013, 110, 127201.	7.8	162
17	Dynamically generated pure spin current in single-layer graphene. Physical Review B, 2013, 87, .	3.2	62
18	Vertical spin transport in Al with Pd/Al/Ni80Fe20 trilayer films at room temperature by spin pumping. Scientific Reports, 2013, 3, .	3.3	21

#	Article	IF	Citations
19	Effect of spin drift on spin accumulation voltages in highly doped silicon. Applied Physics Letters, 2012, 101, .	3.3	32
20	Realization of ohmic-like contact between ferromagnet and rubrene single crystal. Applied Physics Letters, 2012, 101, 073501.	3.3	5
21	Observation of Magneticâ€Switching and Multiferroicâ€Like Behavior of Co Nanoparticles in a C‹sub›60‹/sub› Matrix. Advanced Functional Materials, 2012, 22, 3845-3852.	14.9	6
22	Observation of a tunneling magnetoresistance effect in magnetic tunneling junctions with a high resistance ferromagnetic oxide Fe2â‹…5Mn0â‹…5O4 electrode. Solid State Communications, 2011, 151, 1296-1299.	1.9	0
23	Electrical investigation of the interface band structure in rubrene single-crystal/nickel junction. Applied Physics Letters, 2011, 99, 043505.	3.3	5
24	Fabrication and characterization of electro-phosphorescent organic light-emitting devices with a ferromagnetic cathode for observation of spin injection effect. Synthetic Metals, 2010, 160, 230-234.	3.9	1
25	Effect of Si-spacer layer thickness on magnetic and magnetoresistive properties of Co/Si/Co/GaAs(001). Physica B: Condensed Matter, 2009, 404, 163-166.	2.7	2
26	A comparative study of Co and Fe thin films deposited on GaAs(0 0 1) substrate. Journal of Magnetism and Magnetic Materials, 2008, 320, 571-574.	2.3	6
27	Device characteristics of carbon nanotube transistor fabricated by direct growth method. Applied Physics Letters, 2008, 92, 243115.	3.3	16
28	Effects of Interface States between Organic Molecules and Ferromagnetic Metals on Organic Molecular Spintronics. Journal of the Vacuum Society of Japan, 2008, 51, 589-593.	0.3	0
29	Field-effect modulation of contact resistance between carbon nanotubes. Applied Physics Letters, 2007, 91, 133515.	3.3	11
30	Synthesis-condition dependence of carbon nanotube growth by alcohol catalytic chemical vapor deposition method. Science and Technology of Advanced Materials, 2007, 8, 292-295.	6.1	46
31	Spin injection into organic light-emitting diodes with a ferromagnetic cathode and observation of the luminescence properties. Journal of Magnetism and Magnetic Materials, 2007, 310, 2052-2054.	2.3	8
32	Spin Injection into Organic Light-Emitting Devices with Ferromagnetic Cathode and Effects on Their Luminescence Properties. Japanese Journal of Applied Physics, 2006, 45, 6897-6901.	1.5	27
33	Intrinsic transport and contact resistance effect in C60 field-effect transistors. Applied Physics Letters, 2006, 89, 173510.	3.3	12
34	Transport properties of C60thin film FETs with a channel of several-hundred nanometers. Science and Technology of Advanced Materials, 2005, 6, 427-430.	6.1	5
35	Influence of diffusion of Fe atoms into the emissive layer of an organic light-emitting device on the luminescence properties. Journal of Applied Physics, 2005, 97, 10D501.	2.5	6
36	Low-loss characteristics of coplanar waveguides fabricated by directly bonding metal foils to high-resistivity Si substrates. Japanese Journal of Applied Physics, 0, , .	1.5	1