

# Eiji Shikoh

## List of Publications by Year in descending order

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Version: 2024-02-01

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  | Spin-Pump-Induced Spin Transport in $p$ -Type Si at Room Temperature. Physical Review Letters, 2013, 110, 127201.   | 7.8  | 162       |
| 2  | Self-induced inverse spin Hall effect in permalloy at room temperature. Physical Review B, 2014, 89, .  | 3.2  | 113       |
| 3  | Dynamically generated pure spin current in single-layer graphene. Physical Review B, 2013, 87, .  | 3.2  | 62        |
| 4  | Strong evidence for d-electron spin transport at room temperature at a LaAlO <sub>3</sub> /SrTiO <sub>3</sub> interface. Nature Materials, 2017, 16, 609-614.                                     | 27.5 | 55        |
| 5  | 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        |
| 6  | Transport and spin conversion of multicarriers in semimetal bismuth. Physical Review B, 2016, 93, .   | 3.2  | 41        |
| 7  | Effect of spin drift on spin accumulation voltages in highly doped silicon. Applied Physics Letters, 2012, 101, .   | 3.3  | 32        |
| 8  | 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        |
| 9  | Spin-pump-induced spin transport in a thermally evaporated pentacene film. Applied Physics Letters, 2015, 107, .  | 3.3  | 25        |
| 10 | Vertical spin transport in Al with Pd/Al/Ni <sub>80</sub> Fe <sub>20</sub> trilayer films at room temperature by spin pumping. Scientific Reports, 2013, 3, .                                     | 3.3  | 21        |
| 11 | Conversion of pure spin current to charge current in amorphous bismuth. Journal of Applied Physics, 2014, 115, 17C507.  | 2.5  | 19        |
| 12 | Device characteristics of carbon nanotube transistor fabricated by direct growth method. Applied Physics Letters, 2008, 92, 243115.   | 3.3  | 16        |
| 13 | Spin current relaxation time in thermally evaporated pentacene films. Applied Physics Letters, 2017, 110, 032403.   | 3.3  | 16        |
| 14 | Intrinsic transport and contact resistance effect in C <sub>60</sub> field-effect transistors. Applied Physics Letters, 2006, 89, 173510.   | 3.3  | 12        |
| 15 | Field-effect modulation of contact resistance between carbon nanotubes. Applied Physics Letters, 2007, 91, 133515.  | 3.3  | 11        |
| 16 | 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        |
| 17 | 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         |
| 18 | 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         |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 19 | Spin-pump-induced spin transport in a thermally-evaporated pigment-red film. Solid State Communications, 2020, 312, 113898.  | 1.9  | 8         |
| 20 | 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         |
| 21 | 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         |
| 22 | A comparative study of Co and Fe thin films deposited on GaAs(001) substrate. Journal of Magnetism and Magnetic Materials, 2008, 320, 571-574.   | 2.3  | 6         |
| 23 | Observation of Magnetic Switching and Multiferroic-Like Behavior of Co Nanoparticles in a C <sub>60</sub> Matrix. Advanced Functional Materials, 2012, 22, 3845-3852.  | 14.9 | 6         |
| 24 | Transport properties of C <sub>60</sub> thin film FETs with a channel of several-hundred nanometers. Science and Technology of Advanced Materials, 2005, 6, 427-430.   | 6.1  | 5         |
| 25 | Electrical investigation of the interface band structure in rubrene single-crystal/nickel junction. Applied Physics Letters, 2011, 99, 043505.   | 3.3  | 5         |
| 26 | Realization of ohmic-like contact between ferromagnet and rubrene single crystal. Applied Physics Letters, 2012, 101, 073501.  | 3.3  | 5         |
| 27 | Spin injection into vanadium dioxide films from a typical ferromagnetic metal, across the metal-insulator transition of the vanadium dioxide films. AIP Advances, 2021, 11, .  | 1.3  | 4         |
| 28 | 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         |
| 29 | Low-magnetic field effect and electrically detected magnetic resonance measurements of photocurrent in vacuum vapor deposition films of weak charge-transfer pyrene/dimethylpyromellitimide (Py/DMPI) complex. Journal of Chemical Physics, 2019, 151, 244704. | 3.0  | 3         |
| 30 | 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         |
| 31 | 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         |
| 32 | An energy harvesting technology controlled by ferromagnetic resonance. AIP Advances, 2021, 11, 085114.   | 1.3  | 1         |
| 33 | 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         |
| 34 | Observation of a tunneling magnetoresistance effect in magnetic tunneling junctions with a high resistance ferromagnetic oxide Fe <sub>2</sub> MnO <sub>5</sub> electrode. Solid State Communications, 2011, 151, 1296-1299.                                   | 1.9  | 0         |
| 35 | 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         |
| 36 | Coplanar waveguides fabricated by directly bonding metal foils to high-resistivity Si substrates. , 2021, , .  |      | 0         |