

Shanhu Bao

List of Publications by Year in descending order

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394421

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#	ARTICLE	IF	CITATIONS
1	TiO ₂ (R)/VO ₂ (M)/TiO ₂ (A) multilayer film as smart window: Combination of energy-saving, antifogging and self-cleaning functions. <i>Nano Energy</i> , 2015, 11, 136-145.	16.0	235
2	Thermochromic multilayer films of WO ₃ /VO ₂ /WO ₃ sandwich structure with enhanced luminous transmittance and durability. <i>RSC Advances</i> , 2016, 6, 106435-106442.	3.6	93
3	Optical switching property of Pd-capped Mg-Ni alloy thin films prepared by magnetron sputtering. <i>Vacuum</i> , 2006, 80, 684-687.	3.5	67
4	Application-oriented VO ₂ thermochromic coatings with composite structures: Optimized optical performance and robust fatigue properties. <i>Solar Energy Materials and Solar Cells</i> , 2019, 189, 138-148.	6.2	57
5	Low-temperature deposition of VO ₂ films with high crystalline degree by embedding multilayered structure. <i>Solar Energy Materials and Solar Cells</i> , 2017, 161, 70-76.	6.2	53
6	Toward Solid-State Switchable Mirror Devices Using Magnesium-Rich Magnesium-Nickel Alloy Thin Films. <i>Japanese Journal of Applied Physics</i> , 2007, 46, 5168-5171.	1.5	47
7	Flexible all-solid-state switchable mirror on plastic sheet. <i>Applied Physics Letters</i> , 2008, 92, 041912.	3.3	44
8	Aluminum buffer layer for high durability of all-solid-state switchable mirror based on magnesium-nickel thin film. <i>Applied Physics Letters</i> , 2007, 91, .	3.3	43
9	High Performance and Excellent Stability of All-Solid-State Electrochromic Devices Based on a Li _{1.85} AlO ₂ Ion Conducting Layer. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 17390-17396.	6.7	41
10	Preparation and characterization of gasochromic switchable-mirror window with practical size. <i>Solar Energy Materials and Solar Cells</i> , 2009, 93, 2138-2142.	6.2	40
11	Titanium-Buffer-Layer-Inserted Switchable Mirror Based on Mg-Ni Alloy Thin Film. <i>Japanese Journal of Applied Physics</i> , 2006, 45, L588-L590.	1.5	33
12	Degradation of Switchable Mirror Based on Mg-Ni Alloy Thin Film. <i>Japanese Journal of Applied Physics</i> , 2007, 46, 4260-4264.	1.5	32
13	Near colorless all-solid-state switchable mirror based on magnesium-titanium thin film. <i>Journal of Applied Physics</i> , 2008, 103, .	2.5	32
14	Durability of All-Solid-State Switchable Mirror Based on Magnesium-Nickel Thin Film. <i>Electrochemical and Solid-State Letters</i> , 2007, 10, J52.	2.2	30
15	High performance all-solid-state electrochromic device based on Li _x NiO _y layer with gradient Li distribution. <i>Electrochimica Acta</i> , 2019, 317, 10-16.	5.2	28
16	Long Straczekite Ca _{0.24} V ₂ O ₅ ·xH ₂ O Nanorods and Derived Ca _{0.24} V ₂ O ₅ Nanorods as Novel Host Materials for Lithium Storage with Excellent Cycling Stability. <i>Chemistry - A European Journal</i> , 2017, 23, 13221-13232.	3.3	23
17	Selective and Tunable Near-Infrared and Visible Light Transmittance of MoO ₃ Nanocomposites with Different Crystallinity. <i>Chemistry - an Asian Journal</i> , 2017, 12, 1709-1714.	3.3	22
18	Photo-thermochromic properties of oxygen-containing yttrium hydride and tungsten oxide composite films. <i>Solar Energy Materials and Solar Cells</i> , 2019, 200, 109930.	6.2	20

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19	Optical property and cycling durability of polytetrafluoroethylene top-covered and metal buffer layer inserted Mg-Ni switchable mirror. <i>Solar Energy Materials and Solar Cells</i> , 2009, 93, 1642-1646.	6.2	19
20	Synergistic Effect of Al ³⁺ /Li ⁺ -Based All-Solid-State Electrochromic Devices with Robust Performance. <i>ACS Applied Electronic Materials</i> , 2020, 2, 2171-2179.	4.3	19
21	Improved performance of Mg-Y alloy thin film switchable mirrors after coating with a superhydrophobic surface. <i>Applied Surface Science</i> , 2017, 403, 23-28.	6.1	16
22	Optical switching properties of all-solid-state switchable mirror glass based on magnesium-nickel thin film for environmental temperature. <i>Solar Energy Materials and Solar Cells</i> , 2010, 94, 227-231.	6.2	15
23	Switchable mirror based on Mg-Zr-H thin films. <i>Journal of Alloys and Compounds</i> , 2012, 513, 495-498.	5.5	14
24	Polytetrafluoroethylene (PTFE) Top-Covered Mg-Ni Switchable Mirror Thin Films. <i>Materials Transactions</i> , 2008, 49, 1919-1921.	1.2	13
25	Excellent photochromic properties of an oxygen-containing yttrium hydride coated with tungsten oxide (YH _x O/WO ₃). <i>Scripta Materialia</i> , 2018, 142, 36-40.	5.2	12
26	Preparation of microstructure-controllable superhydrophobic polytetrafluoroethylene porous thin film by vacuum thermal-evaporation. <i>Frontiers of Materials Science</i> , 2016, 10, 320-327.	2.2	11
27	Analysis of Degradation of Flexible All-Solid-State Switchable Mirror Based on Mg-Ni Thin Film. <i>Japanese Journal of Applied Physics</i> , 2009, 48, 102402.	1.5	10
28	Optical properties and degradation mechanism of magnesium-niobium thin film switchable mirrors. <i>Journal of the Ceramic Society of Japan</i> , 2008, 116, 771-775.	1.1	9
29	Facile synthesis of hydrated magnesium vanadium bronze γ -Mg _{0.25} V ₂ O ₅ ·H ₂ O as a novel cathode material for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2019, 777, 931-938.	5.5	7
30	Effect of deposition conditions on the response and durability of an Mg ₄ Ni film switchable mirror. <i>Vacuum</i> , 2008, 83, 486-489.	3.5	6
31	Improved Durability of All-Solid-State Switchable Mirror Based on Magnesium-Nickel Thin Film Using Aluminum Buffer Layer. <i>Journal of the Electrochemical Society</i> , 2008, 155, J278.	2.9	3
32	Electrochromic Properties of Pd-capped Mg-Ni Switchable Mirror Thin Films. <i>Electrochemistry</i> , 2008, 76, 282-287.	1.4	2
33	Wide-Band Reflection-Type, All-Solid-State Switchable Mirror Composed of WO ₃ -Mg ₄ Ni Thin Films and Proton-Conductive Polymer Electrolytes. <i>ChemistrySelect</i> , 2018, 3, 7507-7512.	1.5	1
34	Effects of hydrogen concentration and catalytic layer on the hydrogenation/dehydrogenation of Mg based alloy thin films. <i>Materials Research Express</i> , 2019, 6, 105020.	1.6	0