

Gunnar A Niklasson

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avg, IF

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L-index

#	Paper	IF	Citations
394	Electrochromics for smart windows: thin films of tungsten oxide and nickel oxide, and devices based on these. <i>Journal of Materials Chemistry</i> , 2007 , 17, 127-156		1037
393	Effective medium models for the optical properties of inhomogeneous materials. <i>Applied Optics</i> , 1981 , 20, 26-30	1.7	451
392	Optical properties and solar selectivity of coevaporated Co-Al ₂ O ₃ composite films. <i>Journal of Applied Physics</i> , 1984 , 55, 3382-3410	2.5	372
391	Eliminating degradation and uncovering ion-trapping dynamics in electrochromic WO ₃ thin films. <i>Nature Materials</i> , 2015 , 14, 996-1001	27	320
390	Recent advances in electrochromics for smart windows applications. <i>Solar Energy</i> , 1998 , 63, 199-216	6.8	247
389	Direct observation of active catalyst surface phases and the effect of dynamic self-optimization in NiFe-layered double hydroxides for alkaline water splitting. <i>Energy and Environmental Science</i> , 2019 , 12, 572-581	35.4	240
388	Electrochromic materials and devices for energy efficiency and human comfort in buildings: A critical review. <i>Electrochimica Acta</i> , 2018 , 259, 1170-1182	6.7	230
387	Optical band-gap determination of nanostructured WO ₃ film. <i>Applied Physics Letters</i> , 2010 , 96, 061909	3.4	227
386	Progress in chromogenics: New results for electrochromic and thermochromic materials and devices. <i>Solar Energy Materials and Solar Cells</i> , 2009 , 93, 2032-2039	6.4	219
385	Thermochromic VO ₂ films for energy-efficient windows. <i>Solar Energy Materials and Solar Cells</i> , 1987 , 16, 347-363		212
384	Thermochromic fenestration with VO ₂ -based materials: Three challenges and how they can be met. <i>Thin Solid Films</i> , 2012 , 520, 3823-3828	2.2	211
383	Mg doping of thermochromic VO ₂ films enhances the optical transmittance and decreases the metal-insulator transition temperature. <i>Applied Physics Letters</i> , 2009 , 95, 171909	3.4	209
382	Thermochromic multilayer films of VO ₂ and TiO ₂ with enhanced transmittance. <i>Solar Energy Materials and Solar Cells</i> , 2009 , 93, 1685-1687	6.4	200
381	Nanothermochromics: Calculations for VO ₂ nanoparticles in dielectric hosts show much improved luminous transmittance and solar energy transmittance modulation. <i>Journal of Applied Physics</i> , 2010 , 108, 063525	2.5	181
380	Lognormal Size Distributions in Particle Growth Processes without Coagulation. <i>Physical Review Letters</i> , 1998 , 80, 2386-2388	7.4	172
379	Applicability conditions of the Kubelka-Munk theory. <i>Applied Optics</i> , 1997 , 36, 5580-6	1.7	169
378	New approach to the origin of lognormal size distributions of nanoparticles. <i>Nanotechnology</i> , 1999 , 10, 25-28	3.4	160

377	Advances in chromogenic materials and devices. <i>Thin Solid Films</i> , 2010 , 518, 3046-3053	2.2	158
376	Electrical and optical properties of thin films consisting of tin-doped indium oxide nanoparticles. <i>Physical Review B</i> , 2003 , 68,	3.3	158
375	Electrochromic materials and devices: Brief survey and new data on optical absorption in tungsten oxide and nickel oxide films. <i>Thin Solid Films</i> , 2006 , 496, 30-36	2.2	151
374	Radiative cooling during the day: simulations and experiments on pigmented polyethylene cover foils. <i>Solar Energy Materials and Solar Cells</i> , 1995 , 37, 93-118	6.4	146
373	Thermochromic VO ₂ -based multilayer films with enhanced luminous transmittance and solar modulation. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009 , 206, 2155-2160	1.6	136
372	Fractal aspects of the dielectric response of charge carriers in disordered materials. <i>Journal of Applied Physics</i> , 1987 , 62, R1-R14	2.5	131
371	Noble-metal-based transparent infrared reflectors: Experiments and theoretical analyses for very thin gold films. <i>Journal of Applied Physics</i> , 1986 , 59, 571-581	2.5	112
370	Infrared optical properties of evaporated alumina films. <i>Applied Optics</i> , 1981 , 20, 2742-6	1.7	112
369	Indium tin oxide films made from nanoparticles: models for the optical and electrical properties. <i>Thin Solid Films</i> , 2003 , 445, 199-206	2.2	106
368	Thickness dependence of the optical properties of sputter deposited Ti oxide films. <i>Thin Solid Films</i> , 2000 , 365, 119-125	2.2	106
367	Surfaces for selective absorption of solar energy: an annotated bibliography 1955-1981. <i>Journal of Materials Science</i> , 1983 , 18, 3475-3534	4.3	106
366	Electrochromism in nickel oxide films containing Mg, Al, Si, V, Zr, Nb, Ag, or Ta. <i>Solar Energy Materials and Solar Cells</i> , 2004 , 84, 337-350	6.4	100
365	A solar reflecting material for radiative cooling applications: ZnS pigmented polyethylene. <i>Solar Energy Materials and Solar Cells</i> , 1992 , 28, 175-193	6.4	100
364	A frequency response and transient current study of Ta ₂ O ₅ : Methods of estimating the dielectric constant, direct current conductivity, and ion mobility. <i>Journal of Applied Physics</i> , 1999 , 85, 2185-2191	2.5	99
363	Characterization and optical properties of arrays of small gold particles. <i>Applied Physics Letters</i> , 1984 , 44, 1134-1136	3.4	89
362	Nanothermochromics with VO ₂ -based core-shell structures: Calculated luminous and solar optical properties. <i>Journal of Applied Physics</i> , 2011 , 109, 113515	2.5	83
361	Anodic Electrochromism for Energy-Efficient Windows: Cation/Anion-Based Surface Processes and Effects of Crystal Facets in Nickel Oxide Thin Films. <i>Advanced Functional Materials</i> , 2015 , 25, 3359-3370	15.6	81
360	Flexible foils with electrochromic coatings: science, technology and applications. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2005 , 119, 214-223	3.1	80

359	Oxidation Kinetics of Nickel Particles: Comparison Between Free Particles and Particles in an Oxide Matrix. <i>Solar Energy</i> , 2000 , 68, 329-333	6.8	80
358	Unveiling the complex electronic structure of amorphous metal oxides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 6355-6360	11.5	79
357	Electrochromic tungsten oxide: the role of defects. <i>Solar Energy Materials and Solar Cells</i> , 2004 , 84, 315-328	6.4	79
356	Voltammetry on fractals. <i>Solid State Communications</i> , 1995 , 96, 151-154	1.6	79
355	Electrochromism in nickel oxide and tungsten oxide thin films: Ion intercalation from different electrolytes. <i>Solar Energy Materials and Solar Cells</i> , 2009 , 93, 2050-2055	6.4	77
354	Spectroscopic ellipsometry characterization of electrochromic tungsten oxide and nickel oxide thin films made by sputter deposition. <i>Solar Energy Materials and Solar Cells</i> , 2010 , 94, 724-732	6.4	77
353	Angular selective window coatings: theory and experiments. <i>Journal Physics D: Applied Physics</i> , 1997 , 30, 2103-2122	3	72
352	Circuit models for cement based materials obtained from impedance spectroscopy. <i>Cement and Concrete Research</i> , 1991 , 21, 496-508	10.3	72
351	Optical absorption in lithiated tungsten oxide thin films: Experiment and theory. <i>Journal of Applied Physics</i> , 2007 , 102, 083538	2.5	70
350	Optical properties of gas-evaporated metal particles: Effects of a fractal structure. <i>Journal of Applied Physics</i> , 1987 , 62, 258-265	2.5	70
349	Electrochromism in sputter-deposited WTi oxide films: Durability enhancement due to Ti. <i>Solar Energy Materials and Solar Cells</i> , 2014 , 125, 184-189	6.4	69
348	Galvanostatic Ion Detrapping Rejuvenates Oxide Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 26387-90	9.5	68
347	Polaron absorption in amorphous tungsten oxide films. <i>Journal of Applied Physics</i> , 2001 , 90, 1860-1863	2.5	67
346	Optical properties of nanocrystalline WO ₃ and WO _{3-x} thin films prepared by DC magnetron sputtering. <i>Journal of Applied Physics</i> , 2014 , 115, 213510	2.5	65
345	Bandgap widening in thermochromic Mg-doped VO ₂ thin films: Quantitative data based on optical absorption. <i>Applied Physics Letters</i> , 2013 , 103, 161907	3.4	65
344	Electrochromism in sputter deposited nickel-containing tungsten oxide films. <i>Solar Energy Materials and Solar Cells</i> , 2012 , 99, 339-344	6.4	64
343	Low-temperature synthesis of thermochromic vanadium dioxide thin films by reactive high power impulse magnetron sputtering. <i>Solar Energy Materials and Solar Cells</i> , 2016 , 149, 137-144	6.4	61
342	Fractal dimension of gas-evaporated Co aggregates: Role of magnetic coupling. <i>Physical Review Letters</i> , 1988 , 60, 1735-1738	7.4	61

341	Durability of thermochromic VO ₂ thin films under heating and humidity: Effect of Al oxide top coatings. <i>Thin Solid Films</i> , 2014 , 562, 568-573	2.2	59
340	TiO ₂ /Au/TiO ₂ multilayer thin films: Novel metal-based transparent conductors for electrochromic devices. <i>Thin Solid Films</i> , 2009 , 518, 1225-1229	2.2	59
339	Optical properties of nano-structured dye-sensitized solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2001 , 69, 147-163	6.4	59
338	Optical properties of Mg-doped VO ₂ : Absorption measurements and hybrid functional calculations. <i>Applied Physics Letters</i> , 2012 , 101, 201902	3.4	58
337	Sustainable Rejuvenation of Electrochromic WO ₃ Films. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 28100-4	9.5	55
336	Nanoparticles of TiO ₂ and VO ₂ in dielectric media: Conditions for low optical scattering, and comparison between effective medium and four-flux theories. <i>Solar Energy Materials and Solar Cells</i> , 2014 , 130, 132-137	6.4	54
335	Structure and composition of sputter-deposited nickel-tungsten oxide films. <i>Thin Solid Films</i> , 2011 , 519, 2062-2066	2.2	54
334	Determination of fractal dimension by cyclic I-V studies: The Laplace-transform method. <i>Physical Review B</i> , 1995 , 52, 14192-14197	3.3	52
333	Condensation of water by radiative cooling. <i>Renewable Energy</i> , 1994 , 5, 310-317	8.1	51
332	Electrochromic nickel oxide films and their compatibility with potassium hydroxide and lithium perchlorate in propylene carbonate: Optical, electrochemical and stress-related properties. <i>Thin Solid Films</i> , 2014 , 565, 128-135	2.2	50
331	Toward a quantitative model for suspended particle devices: Optical scattering and absorption coefficients. <i>Solar Energy Materials and Solar Cells</i> , 2013 , 111, 115-122	6.4	49
330	Ion Trapping and Detrapping in Amorphous Tungsten Oxide Thin Films Observed by Real-Time Electro-Optical Monitoring. <i>Chemistry of Materials</i> , 2016 , 28, 4670-4676	9.6	48
329	Electrochromics: Fundamentals and energy-related applications of oxide-based devices. <i>Applied Physics A: Materials Science and Processing</i> , 2007 , 89, 29-35	2.6	48
328	Proton Diffusion and Electrochromism in Hydrated NiO _[sub y] and Ni _[sub 1-x] V _[sub x] O _[sub y] Thin Films. <i>Journal of the Electrochemical Society</i> , 2005 , 152, F203	3.9	48
327	Angular-selective optical properties of Cr films made by oblique-angle evaporation. <i>Applied Physics Letters</i> , 1989 , 54, 987-989	3.4	48
326	Electrochromics on a roll: Web-coating and lamination for smart windows. <i>Surface and Coatings Technology</i> , 2018 , 336, 133-138	4.4	48
325	Electrochemical characterization of TiO ₂ blocking layers prepared by reactive DC magnetron sputtering. <i>Journal of Electroanalytical Chemistry</i> , 2009 , 637, 79-83	4.1	47
324	Coloration Mechanism in Proton-Intercalated Electrochromic Hydrated NiO _[sub y] and Ni _[sub 1-x] V _[sub x] O _[sub y] Thin Films. <i>Journal of the Electrochemical Society</i> , 2009 , 156, P132	3.9	47

323	Small polaron formation in porous WO ₃ nanoparticle films. <i>Journal of Applied Physics</i> , 2004 , 96, 5722-5726	2.5	47
322	Oxidation kinetics of nickel nanoparticles. <i>Journal of Applied Physics</i> , 2001 , 89, 3012-3017	2.5	46
321	Strongly improved electrochemical cycling durability by adding iridium to electrochromic nickel oxide films. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 9319-22	9.5	45
320	Electrochromism and small-polaron hopping in oxygen deficient and lithium intercalated amorphous tungsten oxide films. <i>Journal of Applied Physics</i> , 2015 , 118, 024901	2.5	44
319	The real origin of lognormal size distributions of nanoparticles in vapor growth processes. <i>Scripta Materialia</i> , 1999 , 12, 327-332		44
318	Angular-selective optical transmittance of anisotropic inhomogeneous Cr-based films made by sputtering. <i>Journal of Applied Physics</i> , 1995 , 77, 6145-6151	2.5	44
317	Optical properties at the metal-insulator transition in thermochromic VO ₂ /F _x thin films. <i>Journal of Applied Physics</i> , 1988 , 64, 3327-3329	2.5	44
316	Ultrafine chromium particles for photothermal conversion of solar energy. <i>Journal of Applied Physics</i> , 1978 , 49, 3512-3520	2.5	44
315	Electrochemical Rejuvenation of Anodically Coloring Electrochromic Nickel Oxide Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 42420-42424	9.5	43
314	Electrical properties of ZrO ₂ thin films. <i>Thin Solid Films</i> , 2002 , 402, 242-247	2.2	42
313	Isothermal transient ionic current as a characterization technique for ion transport in Ta ₂ O ₅ . <i>Journal of Applied Physics</i> , 1999 , 85, 8199-8204	2.5	42
312	Comparison of dielectric response functions for conducting materials. <i>Journal of Applied Physics</i> , 1989 , 66, 4350-4359	2.5	42
311	Thermochromic undoped and Mg-doped VO ₂ thin films and nanoparticles: Optical properties and performance limits for energy efficient windows. <i>Journal of Applied Physics</i> , 2014 , 115, 053513	2.5	41
310	Thin porous indium tin oxide nanoparticle films: effects of annealing in vacuum and air. <i>Applied Physics A: Materials Science and Processing</i> , 2005 , 81, 1363-1368	2.6	41
309	Oxidation kinetics of small nickel particles. <i>Journal of Applied Physics</i> , 1999 , 85, 1186-1191	2.5	41
308	Dielectric properties of cement mortar as a function of water content. <i>Journal of Applied Physics</i> , 1992 , 71, 5897-5903	2.5	41
307	Optical response and fabrication of regular arrays of ultrasmall gold particles. <i>Thin Solid Films</i> , 1985 , 125, 165-170	2.2	41
306	Degradation Dynamics for Electrochromic WO Films under Extended Charge Insertion and Extraction: Unveiling Physicochemical Mechanisms. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 12872-12877	9.5	40

305	Optical charge transfer absorption in lithium-intercalated tungsten oxide thin films. <i>Applied Physics Letters</i> , 2006 , 88, 081906	3.4	40
304	Titanium-Aluminum-Nitride coatings for satellite temperature control. <i>Thin Solid Films</i> , 2000 , 370, 268-277	2.2	40
303	Impedance spectroscopy on lithiated Ti oxide and Ti oxyfluoride thin films. <i>Journal of Applied Physics</i> , 1996 , 79, 3749-3757	2.5	40
302	Eliminating Electrochromic Degradation in Amorphous TiO ₂ through Li-Ion Detrapping. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 5777-82	9.5	39
301	Electrochromism of DC magnetron sputtered TiO ₂ thin films: Role of deposition parameters. <i>Solar Energy Materials and Solar Cells</i> , 2013 , 115, 172-180	6.4	39
300	Infrared emittance modulation of all-thin-film electrochromic devices. <i>Materials Letters</i> , 2004 , 58, 2517-2520	3.5	39
299	Infrared-optical properties of gas-evaporated gold blacks: Evidence for anomalous conduction on fractal structures. <i>Physical Review Letters</i> , 1986 , 56, 256-258	7.4	39
298	Electrochromic W ₁₈ Ti ₁₀ Mo ₃ O ₃ Thin Films Made by Sputter Deposition: Large Optical Modulation, Good Cycling Durability, and Approximate Color Neutrality. <i>Chemistry of Materials</i> , 2017 , 29, 2246-2253	9.6	38
297	Electrochromic WO thin films attain unprecedented durability by potentiostatic pretreatment. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 2908-2918	13	37
296	Simulation of the thickness dependence of the optical properties of suspended particle devices. <i>Solar Energy Materials and Solar Cells</i> , 2015 , 143, 613-622	6.4	37
295	Sputter deposited electrochromic films and devices based on these: Progress on nickel-oxide-based films. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2007 , 138, 112-117	3.1	37
294	Electrochromic foil-based devices: Optical transmittance and modulation range, effect of ultraviolet irradiation, and quality assessment by 1/f current noise. <i>Thin Solid Films</i> , 2008 , 516, 5921-5926	2.2	37
293	Optical properties of electrochromic all-solid-state devices. <i>Solar Energy Materials and Solar Cells</i> , 2004 , 84, 351-360	6.4	37
292	Optical properties of sputter deposited transparent and conducting TiO ₂ :Nb films. <i>Thin Solid Films</i> , 2009 , 518, 1254-1258	2.2	36
291	Characterization of porous indium tin oxide thin films using effective medium theory. <i>Journal of Applied Physics</i> , 2003 , 93, 984-988	2.5	36
290	Polaron absorption in tungsten oxide nanoparticle aggregates. <i>Electrochimica Acta</i> , 2001 , 46, 1967-1971	6.7	36
289	Galvanostatic Rejuvenation of Electrochromic WO Thin Films: Ion Trapping and Detrapping Observed by Optical Measurements and by Time-of-Flight Secondary Ion Mass Spectrometry. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 16995-17001	9.5	35
288	Spectroscopic study of the photofixation of SO ₂ on anatase TiO ₂ thin films and their oleophobic properties. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 672-9	9.5	35

287	Solar energy materials for thermal applications: A primer. <i>Solar Energy Materials and Solar Cells</i> , 2018 , 180, 213-226	6.4	34
286	Anodic Electrochromic Nickel Oxide Thin Films: Decay of Charge Density upon Extensive Electrochemical Cycling. <i>ChemElectroChem</i> , 2016 , 3, 266-275	4.3	34
285	Electronic and optical properties of nanocrystalline WO ₃ thin films studied by optical spectroscopy and density functional calculations. <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 205502	1.8	34
284	Forward average path-length parameter in four-flux radiative transfer models. <i>Applied Optics</i> , 1997 , 36, 3735-8	1.7	34
283	Electron transport and recombination in dye sensitized solar cells fabricated from obliquely sputter deposited and thermally annealed TiO ₂ films. <i>Journal of Electroanalytical Chemistry</i> , 2007 , 605, 151-156	4.1	34
282	Analysis of current-voltage characteristics of metal-insulator composite films. <i>Journal of Applied Physics</i> , 1986 , 59, 980-982	2.5	34
281	Diffuse reflectance of TiO ₂ pigmented paints: Spectral dependence of the average pathlength parameter and the forward scattering ratio. <i>Optics Communications</i> , 2006 , 261, 71-78	2	33
280	Optimized nickel-oxide-based electrochromic thin films. <i>Solid State Ionics</i> , 2003 , 165, 169-173	3.3	33
279	Li intercalation in transparent TiO ₂ oxide films: Energetics and ion dynamics. <i>Journal of Applied Physics</i> , 1997 , 81, 6432-6437	2.5	32
278	Obliquely evaporated Cr films with large angular selectivity. <i>Journal of Applied Physics</i> , 1995 , 77, 2816-2818	1.8	32
277	Scaling of Surface Roughness in Obliquely Sputtered Chromium Films. <i>Europhysics Letters</i> , 1995 , 32, 155-169	1.69	31
276	Electrochromic devices with polymer electrolytes functionalized by SiO ₂ and In ₂ O ₃ :Sn nanoparticles: Rapid coloring/bleaching dynamics and strong near-infrared absorption. <i>Solar Energy Materials and Solar Cells</i> , 2014 , 126, 241-247	6.4	30
275	Optical absorption and durability of sputtered amorphous tungsten oxide films. <i>Solid State Ionics</i> , 2003 , 165, 51-58	3.3	30
274	Light Scattering in Pigmented Coatings:: Experiments and Theory. <i>Solar Energy</i> , 2000 , 68, 553-561	6.8	30
273	Structural and optical properties of visible active photocatalytic WO ₃ thin films prepared by reactive dc magnetron sputtering. <i>Journal of Materials Research</i> , 2012 , 27, 3130-3140	2.5	29
272	Thermochromic VO ₂ nanorods made by sputter deposition: Growth conditions and optical modeling. <i>Journal of Applied Physics</i> , 2013 , 114, 033516	2.5	29
271	The Importance of Oxygen Vacancies in Nanocrystalline WO ₃ Thin Films Prepared by DC Magnetron Sputtering for Achieving High Photoelectrochemical Efficiency. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 7412-7420	3.8	28
270	Electrochromic iridium oxide films: Compatibility with propionic acid, potassium hydroxide, and lithium perchlorate in propylene carbonate. <i>Solar Energy Materials and Solar Cells</i> , 2014 , 120, 151-156	6.4	28

269	Electrochromics and thermochromics for energy efficient fenestration: Functionalities based on nanoparticles of In ₂ O ₃ :Sn and VO ₂ . <i>Thin Solid Films</i> , 2014 , 559, 2-8	2.2	28
268	[PEI/BiO ₂]:[LiTFSI] nanocomposite polymer electrolytes: Ion conduction and optical properties. <i>Solar Energy Materials and Solar Cells</i> , 2012 , 98, 465-471	6.4	28
267	A polymer electrolyte with high luminous transmittance and low solar throughput: Polyethyleneimine-lithium bis(trifluoromethylsulfonyl) imide with In ₂ O ₃ :Sn nanocrystals. <i>Applied Physics Letters</i> , 2012 , 100, 241902	3.4	28
266	Structure and optical properties of electrochromic tungsten-containing nickel oxide films. <i>Solar Energy Materials and Solar Cells</i> , 2014 , 126, 248-259	6.4	27
265	Plasmon-induced near-infrared electrochromism based on transparent conducting nanoparticles: Approximate performance limits. <i>Applied Physics Letters</i> , 2012 , 101, 071903	3.4	27
264	Gas-phase photocatalytic activity of sputter-deposited anatase TiO ₂ films: Effect of <0 0 1> preferential orientation, surface temperature and humidity. <i>Journal of Catalysis</i> , 2016 , 335, 187-196	7.3	26
263	Electrochromic properties of nickel oxide based thin films sputter deposited in the presence of water vapor. <i>Thin Solid Films</i> , 2012 , 520, 3839-3842	2.2	26
262	Thin sputter deposited gold films on In ₂ O ₃ :Sn, SnO ₂ :In, TiO ₂ and glass: Optical, electrical and structural effects. <i>Solar Energy Materials and Solar Cells</i> , 2013 , 117, 462-470	6.4	26
261	Transparent and conducting TiO ₂ :Nb films made by sputter deposition: Application to spectrally selective solar reflectors. <i>Solar Energy Materials and Solar Cells</i> , 2010 , 94, 75-79	6.4	26
260	Optical and electrical properties of sputter-deposited Al films close to the percolation threshold. <i>Journal of Applied Physics</i> , 1988 , 64, 3740-3742	2.5	26
259	Advances in electrochromic device technology: Multiple roads towards superior durability. <i>Surface and Coatings Technology</i> , 2019 , 357, 619-625	4.4	26
258	Low-frequency dielectric properties of three bentonites at different adsorbed water states. <i>Journal of Colloid and Interface Science</i> , 2013 , 411, 16-26	9.3	25
257	Controlled crystal growth orientation and surface charge effects in self-assembled nickel oxide nanoflakes and their activity for the oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 28397-28407	6.7	25
256	Generalized method for evaluating scattering parameters used in radiative transfer models. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1997 , 14, 2243	1.8	25
255	Electrochemical and optical properties of sputter deposited Ir ₂ O ₃ and Ir oxide thin films. <i>Solar Energy Materials and Solar Cells</i> , 2006 , 90, 414-421	6.4	25
254	New probe of the electronic structure of amorphous materials. <i>Physical Review Letters</i> , 2004 , 93, 206403	7.4	25
253	Random conductivity of Bi ₂ O ₃ films. <i>Applied Physics Letters</i> , 2005 , 86, 241910	3.4	25
252	Impedance studies on Li insertion electrodes of Sn oxide and oxyfluoride. <i>Journal of Applied Physics</i> , 1996 , 80, 233-241	2.5	25

251	Fractal dimension of Li insertion electrodes studied by diffusion-controlled voltammetry and impedance spectroscopy. <i>Physical Review B</i> , 1996 , 54, 2968-2971	3.3	25
250	Thermochromic Oxide-Based Thin Films and Nanoparticle Composites for Energy-Efficient Glazings. <i>Buildings</i> , 2017 , 7, 3	3.2	24
249	A theoretical feasibility study of pigments for thickness-sensitive spectrally selective paints. <i>Journal Physics D: Applied Physics</i> , 2004 , 37, 1115-1122	3	24
248	Intensity of diffuse radiation in particulate media. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1997 , 14, 2253	1.8	23
247	Optical properties of electrochromic iridium oxide and iridium-tantalum oxide thin films in different colouration states. <i>Solar Energy Materials and Solar Cells</i> , 2008 , 92, 1388-1392	6.4	23
246	Dye-sensitized sputtered titanium oxide films for photovoltaic applications: influence of the O ₂ /Ar gas flow ratio during the deposition. <i>Solar Energy Materials and Solar Cells</i> , 2003 , 76, 37-56	6.4	23
245	Forward-scattering ratios and average pathlength parameter in radiative transfer models. <i>Journal of Physics Condensed Matter</i> , 1997 , 9, 9083-9096	1.8	22
244	Determination of solid phase chemical diffusion coefficient and density of states by electrochemical methods: Application to iridium oxide-based thin films. <i>Journal of Applied Physics</i> , 2008 , 103, 023702	2.5	22
243	Electrical and optical properties of sputter deposited tin doped indium oxide thin films with silver additive. <i>Thin Solid Films</i> , 2001 , 392, 305-310	2.2	22
242	Surface smoothing and roughening in sputtered SnO ₂ films. <i>Thin Solid Films</i> , 2001 , 401, 165-170	2.2	22
241	(Ta _{1-x} Nb _x) ₂ O ₅ films produced by atomic layer deposition: Temperature dependent dielectric spectroscopy and room-temperature I _{1/2} characteristics. <i>Journal of Applied Physics</i> , 2001 , 90, 4532-4542	2.5	22
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