

X-ray photoelectron and Auger spectroscopy study of s

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Photoelectron and Auger spectroscopy of CuCl. Physical Review B, 1979, 20, 4287-4293.	1.1	31
2	Direct observation of the anderson transition in HfWO_3 bronzes by high-resolution x-ray photoelectron spectroscopy. Chemical Physics Letters, 1980, 74, 341-344.	1.2	16
3	Angular dependent photon-stimulated desorption of ions from a $\text{V}_2\text{O}_5(010)$ surface. Solid State Communications, 1980, 36, 99-104.	0.9	28
4	Electrical properties of the $(\text{V}_{1-x}\text{Cr}_x)_2\text{O}_3$ system. Physical Review B, 1980, 22, 2626-2636.	1.1	179
5	Satellite structure in photoelectron and Auger spectra of copper dihalides. Physical Review B, 1981, 23, 4369-4380.	1.1	799
6	X-ray and X-ray photoelectron spectra of vanadium oxides. Crystal Research and Technology: Journal of Experimental and Industrial Crystallography, 1981, 16, 119-126.	0.3	13
7	Electronic structure and X-ray photoelectron spectra of rutile-family dioxides calculated by DV-X α cluster method. Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics, 1981, 111, 304-318.	0.9	8
8	X-ray and UV photoelectron spectra of the metal sesquioxides. Journal of Physics and Chemistry of Solids, 1981, 42, 1051-1055.	1.9	49
9	XPS core level line shapes in metallic compounds: A probe for the nature of the electrons at the Fermi level. Solid State Communications, 1981, 38, 1135-1138.	0.9	52
10	Multiplet splitting of final-state configurations in x-ray-absorption spectrum of metal VO_2 : Effect of core-hole-screening, electron correlation, and metal-insulator transition. Physical Review B, 1982, 26, 2741-2747.	1.1	74
11	Anisotropy of x-ray emission spectra and electronic structure of V_2O_5 single crystals. Zeitschrift für Physik B Condensed Matter and Quanta, 1982, 46, 31-36.	1.9	10
12	Electronic Structure of Molybdenum Dioxide Calculated by the X α Method. Physica Status Solidi (B): Basic Research, 1982, 113, 647-655.	0.7	15
13	The nature of transition-metal-oxide surfaces. Progress in Surface Science, 1983, 14, 175-199.	3.8	103
14	Integer versus noninteger valence properties revealed by a comparative photoemission study of Na_xWO_3 and ReO_3 . Physical Review B, 1983, 27, 6370-6375.	1.1	16
15	An APS XPS study of vanadium pentoxide. Journal of Chemical Physics, 1983, 78, 2262-2267.	1.2	5
16	Surface electronic structure and chemisorption on corundum transition-metal oxides: V_2O_3 . Physical Review B, 1983, 28, 6699-6706.	1.1	71
17	Corundum Structure Oxides Studied by XPS. Physica Scripta, 1983, 28, 92-96.	1.2	169
18	X-ray photoemission study of the electronic structure of praseodymium hydride. Journal of Physics C: Solid State Physics, 1984, 17, 2869-2878.	1.5	19

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19	Electronic structure of yttrium hydride studied by X-ray photoemission spectroscopy. Journal of Physics C: Solid State Physics, 1984, 17, 341-351.	1.5	70
20	Auger spectra of compounds of Sc, Ti and Cr. Journal of Physics F: Metal Physics, 1984, 14, 2769-2780.	1.6	41
21	A theoretical study of photoelectron spectra of NbO ₂ , MoO ₂ and RuO ₂ by cluster models. Journal of Electron Spectroscopy and Related Phenomena, 1985, 36, 269-279.	0.8	9
22	Chemical states and thermal stability of hydrogen-implanted Ti and V studied by X-ray photoelectron spectroscopy. Journal of Nuclear Materials, 1985, 132, 173-180.	1.3	5
23	On the Electrochromism of Evaporated V ₂ O ₅ Films. Japanese Journal of Applied Physics, 1985, 24, 1082-1086.	0.8	112
24	Photoemission satellites and electronic structure of Fe ₂ O ₃ . Physical Review B, 1986, 34, 7318-7328.	1.1	272
25	Photoemission and Auger-electron spectroscopic study of the Chevrel-phase compound Fe _x Mo ₆ S ₈ . Physical Review B, 1986, 33, 6652-6661.	1.1	12
26	Electronic Properties of Carbides, Nitrides, and Oxides of Subgroup VIa Transition Metals. Theory and Experiment. Physica Status Solidi (B): Basic Research, 1987, 141, 9-33.	0.7	18
27	Core-level binding-energy shifts at surfaces and in solids. Surface Science Reports, 1987, 6, 253-415.	3.8	713
28	Electronic structure of Cu ₂ O and CuO. Physical Review B, 1988, 38, 11322-11330.	1.1	1,484
29	Bulk band dispersion in Ti ₂ O ₃ and V ₂ O ₃ . Physical Review B, 1988, 38, 5965-5975.	1.1	97
30	X-ray photoemission, bremsstrahlung isochromat, Auger-electron, and optical spectroscopy studies of Y-Ba-Cu-O thin films. Physical Review B, 1988, 37, 5136-5141.	1.1	133
31	Calculation of Coulomb-interaction parameters for La ₂ CuO ₄ using a constrained-density-functional approach. Physical Review B, 1989, 39, 9028-9041.	1.1	720
32	Structural, surface, and catalytic properties of bismuth molybdovanadates containing foreign atoms IV. Surface characterization and redox behaviour of iron-containing bismuth molybdovanadate catalysts by X-ray photoelectron spectroscopy. Journal of Catalysis, 1989, 119, 277-287.	3.1	7
33	Preparation and characterization of a model system for the study of monolayers and multilayers of vanadia supported on titania. Catalysis Letters, 1989, 3, 379-387.	1.4	18
34	Core-level shifts and the choice of Auger parameter. Surface and Interface Analysis, 1989, 14, 257-266.	0.8	39
35	Photo-enhanced catalytic decomposition of isopropanol on V ₂ O ₅ . Catalysis Letters, 1990, 4, 113-122.	1.4	14
36	Photoemission studies of high-T _c superconductors and related compounds: Metal-insulator transitions. Physica B: Condensed Matter, 1990, 163, 736-740.	1.3	17

#	ARTICLE	IF	CITATIONS
37	X-Ray Photoelectron Spectroscopy Study of Cu Implanted in LiNbO ₃ . Japanese Journal of Applied Physics, 1990, 29, L494-L497.	0.8	1
38	Vacuum-ultraviolet reflectance and photoemission study of the metal-insulator phase transitions in VO ₂ , V ₆ O ₁₃ , and V ₂ O ₃ . Physical Review B, 1990, 41, 4993-5009.	1.1	414
39	A soft X-ray study of the interaction of oxygen with Li. Surface Science, 1990, 234, 324-334.	0.8	41
40	Interpretation of the carbon Auger line shapes for the adsorption and decomposition of ethylene on Ni(100). Surface Science, 1991, 248, 119-133.	0.8	18
41	Formation and characterization of thin film vanadium oxides: Auger electron spectroscopy, X-ray photoelectron spectroscopy, X-ray diffraction, scanning electron microscopy, and optical reflectance studies. Thin Solid Films, 1991, 198, 251-268.	0.8	122
42	A soft X-ray study of a LiS surface compound. Applied Surface Science, 1991, 48-49, 332-336.	3.1	6
43	The catalytic reduction of nitric oxide by ammonia over a clean and vanadium oxide-coated platinum foil. Journal of Catalysis, 1991, 129, 186-194.	3.1	16
44	X-ray photoelectron spectroscopic studies of evaporated V ₂ O ₂ and co-evaporated V ₂ O ₅ /B ₂ O ₃ films. Journal of Materials Science, 1991, 26, 597-600.	1.7	3
45	Electron correlation, d-band formation, and magnetism in V ₅ S ₈ : Photoemission-spectroscopy study. Physical Review B, 1991, 44, 163-169.	1.1	16
46	Soft-x-ray-absorption studies of the electronic-structure changes through the VO ₂ phase transition. Physical Review B, 1991, 43, 7263-7266.	1.1	153
47	The past, present, and future of auger line shape analysis. Critical Reviews in Solid State and Materials Sciences, 1991, 17, 211-276.	6.8	104
48	Laser synthesis of vanadium-titanium oxide catalysts. Journal of Materials Research, 1992, 7, 2846-2852.	1.2	27
49	Observation of local magnetic moments in the Mott transition of V ₂ O ₃ by means of 3s photoemission. Physical Review B, 1992, 46, 9224-9227.	1.1	17
50	Electronic structure of La _{2-2x} Sr _x NiO ₄ studied by photoemission and inverse-photoemission spectroscopy. Physical Review B, 1992, 45, 12513-12521.	1.1	79
51	Electronic interactions in the vanadium/TiO ₂ (110) and vanadia/TiO ₂ (110) model catalyst systems. Surface Science, 1992, 277, 263-272.	0.8	148
52	Copper speciation by analytical electron spectroscopies: Case of the intercalation phase Cu _{0.5} V ₂ O ₅ ·0.5H ₂ O. Surface and Interface Analysis, 1992, 19, 513-518.	0.8	2
53	Electrical and structural characterization of the xCuO:(1-x)V ₂ O ₅ . Solid State Ionics, 1992, 53-56, 1168-1171.	1.3	17
54	Auger electron spectroscopy study of copper binding states in YBa ₂ Cu ₃ O _{7-x} monocrystals: effect of high oxygen pressure. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1992, 14, 151-155.	1.7	2

#	ARTICLE	IF	CITATIONS
55	The use of the oxygen Auger parameters in the characterisation of oxygen-containing compounds. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1992, 58, 105-118.	0.8	27
56	Soft X-ray absorption spectroscopy of vanadium oxides. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1993, 62, 185-195.	0.8	119
57	AES microstructural investigations of low-temperature, low-frequency plasma-deposited a-SiC1 \hat{x} :H films. <i>Applied Surface Science</i> , 1993, 64, 345-351.	3.1	8
58	An X-ray photoelectron spectroscopy study of the vanadia-titania catalysts. <i>Applied Surface Science</i> , 1993, 64, 91-96.	3.1	26
59	Core \hat{L} Level XPS and XAS in Transition \hat{M} Metal Oxides: Electronic Structure and Interactions. <i>Physica Status Solidi (B): Basic Research</i> , 1993, 178, 9-35.	0.7	11
60	On the characterization of surface VO \hat{x} -species by XPS: layered oxidic systems as model catalysts. <i>Fresenius' Journal of Analytical Chemistry</i> , 1993, 346, 79-83.	1.5	17
62	Photoemission study of composition- and temperature-induced metal-insulator transitions in Cr-doped V $\hat{2}$ O $\hat{3}$. <i>Physical Review B</i> , 1994, 50, 1382-1390.	1.1	44
63	Effect of Early Transition-Metal (M=Ti, V and Cr) Doping on the Electronic Structure of Charge-Transfer Type Compound NiS Studied by Thermoelectric Power and X-Ray Photoemission Measurements. <i>Journal of the Physical Society of Japan</i> , 1994, 63, 1429-1440.	0.7	23
64	Photoelectron spectroscopy of the poly-vanadium transition metal acids. <i>Applied Surface Science</i> , 1994, 78, 107-112.	3.1	11
65	The problem with the copper Auger data for the high temperature superconductors. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1994, 66, 269-280.	0.8	13
66	Vanadia/silica model catalyst: AFM and XPS investigation of morphological and chemical changes occurring upon exposure to different gas atmospheres. <i>Catalysis Letters</i> , 1994, 25, 179-189.	1.4	6
67	Valence-band spectra of $\hat{1}\pm$ -TeO $\hat{2}$. <i>Physical Review B</i> , 1994, 50, 7981-7983.	1.1	16
68	Surface electronic structure of V $\hat{2}$ O $\hat{5}$ (001): defect states and chemisorption. <i>Surface Science</i> , 1994, 321, 133-144.	0.8	69
69	Split-Off State Formation in the Final State of Photoemission in Ti Compounds. <i>Journal of the Physical Society of Japan</i> , 1994, 63, 3176-3184.	0.7	66
70	Theory of many-body effects in valence, core-level and isochromat spectroscopies along the 3d transition metal series of oxides. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1995, 71, 117-139.	0.8	58
71	XPS studies of V $\hat{2}$ O $\hat{5}$, V $\hat{6}$ O $\hat{13}$, VO $\hat{2}$ and V $\hat{2}$ O $\hat{3}$. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1995, 71, 249-261.	0.8	674
72	Electron spectroscopy on KMnO $\hat{4}$. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1995, 76, 671-676.	0.8	4
73	Magnetic and transport properties of CeVO $\hat{3}$. <i>Journal of Solid State Chemistry</i> , 1995, 119, 24-35.	1.4	31

#	ARTICLE	IF	CITATIONS
74	Surface and electrical studies of CuO:V ₂ O ₅ thin films. Thin Solid Films, 1995, 260, 161-167.	0.8	4
75	Structural, electrical and optical properties of sputtered vanadium pentoxide thin films. Thin Solid Films, 1995, 265, 22-28.	0.8	205
76	Thermochromes VO ₂ für die Beschichtung von Architekturglas. Vakuum in Forschung Und Praxis, 1995, 7, 257-264.	0.0	3
77	Photoemission Study of the Spectral Function of V ₂ O ₃ in Relation to the Recent Quantum Monte Carlo Study. Journal of the Physical Society of Japan, 1995, 64, 1230-1235.	0.7	36
78	Electronic structure of PrNiO ₃ studied by photoemission and x-ray-absorption spectroscopy: Band gap and orbital ordering. Physical Review B, 1995, 52, 13865-13873.	1.1	119
79	Electronic structure of early 3d-transition-metal oxides by analysis of the 2p-core-level photoemission spectra. Physical Review B, 1996, 53, 1161-1170.	1.1	319
80	X-ray photoelectron spectroscopy of Cu ³⁺ in NaK ₂ CuF ₆ . Journal of the Chemical Society, Faraday Transactions, 1996, 92, 3605.	1.7	9
81	SnO ₂ -V ₂ O ₅ -based catalysts. Nature of surface species and their activity in o-xylene oxidation. Journal of the Chemical Society, Faraday Transactions, 1996, 92, 4321-4330.	1.7	15
82	Characterisation of VO _x /ZrO ₂ catalysts by electron paramagnetic resonance and X-ray photoelectron spectroscopy. Journal of the Chemical Society, Faraday Transactions, 1996, 92, 4337.	1.7	23
83	Vanadium CVV Auger transition. Solid State Communications, 1996, 99, 393-397.	0.9	4
84	XPS and AFM characterization of a vanadium oxide film on TiO ₂ (100) surface. Applied Surface Science, 1996, 99, 15-19.	3.1	30
85	Electron spectroscopies and partial excitation spectra in Cr ₂ O ₃ . Journal of Electron Spectroscopy and Related Phenomena, 1996, 78, 49-52.	0.8	41
86	XPS study of (VO _{0.995} Al _{0.005}) ₂ O ₃ PTC ceramics. Journal of Materials Science Letters, 1996, 15, 706-707.	0.5	4
87	Thermochromic VO ₂ thin films studied by photoelectron spectroscopy. Thin Solid Films, 1996, 287, 134-138.	0.8	48
88	Photoemission study of Ni borocarbides: Superconducting YNi ₂ B ₂ C and nonsuperconducting LaNi ₂ B ₂ C. Physical Review B, 1996, 54, 507-514.	1.1	26
89	Electron Energy-loss Spectroscopy Study of the Metal-insulator Transition in VO ₂ . Japanese Journal of Applied Physics, 1997, 36, 165-169.	0.8	35
90	Spectroscopy of metallic and insulating V ₂ O ₃ . Physical Review B, 1997, 56, 15056-15061.	1.1	54
91	Separation of spin and charge excitations in one-dimensional SrCuO ₂ . Physical Review B, 1997, 56, 15589-15595.	1.1	95

#	ARTICLE	IF	CITATIONS
92	Band structure of La ₂ NiO _{4.25} (La ₈ Ni ₄ O ₁₇). Journal of Materials Chemistry, 1997, 7, 953-957.	6.7	0
93	Study of Dispersion and Thermal Stability of V ₂ O ₅ /TiO ₂ ~SiO ₂ Catalysts by XPS and Other Techniques. Journal of Physical Chemistry B, 1997, 101, 1769-1774.	1.2	130
94	A photoelectron spectroscopy study of sub-monolayer interfaces annealed from 300 up to 623 K. Surface Science, 1997, 380, 311-323.	0.8	29
95	Metal-insulator transitions. Reviews of Modern Physics, 1998, 70, 1039-1263.	16.4	6,370
96	Surface Redox Characteristics of Mixed Oxide Catalysts Used for Selective Oxidation. Journal of Catalysis, 1998, 178, 658-667.	3.1	45
97	Spin and charge excitations and photoemission spectra in 1D and 2D cuprates. Journal of Physics and Chemistry of Solids, 1998, 59, 1897-1901.	1.9	5
98	X-ray photoelectron spectroscopy and spectral transmittance study of stoichiometry in sputtered vanadium oxide films. Thin Solid Films, 1998, 312, 116-122.	0.8	86
99	Structure characterization of vanadium oxide thin films prepared by magnetron sputtering methods. Applied Surface Science, 1998, 133, 225-229.	3.1	83
100	Determination of the position of V ⁴⁺ as minor component in XPS spectra by difference spectra. Applied Surface Science, 1998, 133, 221-224.	3.1	31
101	Photoelectron spectroscopy of MV ₁₂ O _{30.7} ·nH ₂ O xerogels (M=Mg, Ca, Sr, Ba). Applied Surface Science, 1998, 134, 229-233.	3.1	3
102	X-Ray absorption fine structure study of the bound state electronic transitions at the vanadium K and L edges in low symmetry, molecular, vanadium-(IV) and -(V) complexes with oxyoxime and oxyoximate ligands. Journal of the Chemical Society Dalton Transactions, 1998, , 2199-2204.	1.1	14
103	Strong hybridization in vanadium oxides: evidence from photoemission and absorption spectroscopy. Journal of Physics Condensed Matter, 1998, 10, 5697-5716.	0.7	151
104	Characterization of V ₂ O ₅ /TiO ₂ ~ZrO ₂ Catalysts by XPS and Other Techniques. Journal of Physical Chemistry B, 1998, 102, 10176-10182.	1.2	96
105	Electronic structure of studied by x-ray photoelectron and x-ray emission spectroscopies. Journal of Physics Condensed Matter, 1998, 10, 4081-4091.	0.7	56
106	Electron Energy-Loss Spectroscopy Study of the Metal-Insulator Transition in V ₂ O ₃ . Japanese Journal of Applied Physics, 1998, 37, 584-588.	0.8	14
107	High-resolution photoemission study of V ₂ ~yO ₃ . Physical Review B, 1998, 57, 1316-1319.	1.1	20
108	Electronic structure of tetragonal LaCuO ₃ studied by photoemission and x-ray-absorption spectroscopy. Physical Review B, 1998, 57, 9550-9556.	1.1	49
109	Surface Characterization of Electrochemically Formed Passive Film on Nitrogen Ion Implanted Ti ₆ Al ₄ V Alloy. Materials Transactions, JIM, 1998, 39, 756-761.	0.9	21

#	ARTICLE	IF	CITATIONS
110	Ordered binary oxide films of V ₂ O ₃ (0001) on Al ₂ O ₃ . Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1999, 17, 1887-1892.	0.9	29
111	Nature, growth, and stability of vanadium oxides on Pd(111). Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1999, 17, 1743-1749.	0.9	59
112	Evolution of electronic structure with dimensionality in divalent nickelates. Physical Review B, 1999, 59, 12457-12470.	1.1	46
113	Surface analysis and phase transition of gel-derived VO ₂ thin films. Thin Solid Films, 1999, 353, 40-44.	0.8	70
114	A synchrotron XPS study of the vanadia-titania system as a model for monolayer oxide catalysts. Journal of Electron Spectroscopy and Related Phenomena, 1999, 98-99, 257-266.	0.8	58
115	The growth of vanadium oxide on alumina and titania single crystal surfaces. Faraday Discussions, 1999, 114, 67-84.	1.6	27
116	Geometric and electronic structures of Pt/V ₂ O ₅ /TiO ₂ diesel engine exhaust gas purification catalysts before and after aging. Physical Chemistry Chemical Physics, 1999, 1, 2815-2823.	1.3	6
117	A synchrotron study of the deposition of vanadia on TiO ₂ (110). Surface Science, 1999, 432, 178-188.	0.8	54
118	Growth, electronic properties and reactivity of vanadium deposited onto a thin alumina film. Surface Science, 1999, 432, 189-198.	0.8	44
119	Ultrathin VO _x /TiO ₂ (110) (x ≈ 1) film preparation by controlled oxidation of metal deposits. Surface Science, 1999, 436, 227-236.	0.8	37
120	Vanadium oxides thin films grown on rutile TiO ₂ (110)-(1 $\bar{1}$ -1) and (1 $\bar{1}$ -2) surfaces. Surface Science, 1999, 437, 38-48.	0.8	63
121	A synchrotron study of the growth of vanadium oxide on Al ₂ O ₃ (0001). Surface Science, 1999, 441, 1-9.	0.8	37
122	Characterization of MoO ₃ /TiO ₂ -ZrO ₂ catalysts by XPS and other techniques. Journal of Molecular Catalysis A, 2000, 162, 431-441.	4.8	41
123	Surface chemical composition of MV ₁₀ Mo ₂ O ₃₁ ·nH ₂ O (M=Na ₂ , K ₂ , Ca, Sr, Cu) xerogels. Journal of Electron Spectroscopy and Related Phenomena, 2000, 107, 253-259.	0.8	7
124	VO ₂ : optical properties, dielectric constants. , 0, , 1-6.		0
125	Spectroscopic investigations of the electronic structure and metal-insulator transitions in a Mott-Hubbard system La _{1-x} Ca _x VO ₃ . Physical Review B, 2000, 61, 2525-2534.	1.1	69
126	Mixed-valence vanadium oxides studied by XPS. Surface Science, 2000, 454-456, 41-44.	0.8	348
127	The structure of an ultrathin VO _x (x ≈ 1) film grown epitaxially on TiO ₂ (110). Surface Science, 2000, 461, 118-128.	0.8	25

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128	The structure of vanadia ultrathin films grown on TiO ₂ (110) in an oxygen ambient. Surface Science, 2000, 470, L116-L122.	0.8	23
129	Probing the metal sites of a vanadium oxideâ€“Pd(111) â€“inverse catalystâ€™: adsorption of CO. Surface Science, 2000, 444, 211-220.	0.8	36
130	Growth and electronic structure of vanadium on Î±-Al ₂ O ₃ (0001). Surface Science, 2000, 449, 50-60.	0.8	28
131	Electronic structure and growth of vanadium on TiO ₂ (110). Surface Science, 2000, 450, 12-26.	0.8	96
132	VO ₂ : electronic properties. , 0, , 1-9.		0
133	Application of Ultraviolet Photoelectron Spectroscopy in the Surface Characterization of Polycrystalline Oxide Catalysts. 2. Depth Variation of the Reduction Degree in the Surface Region of Partially Reduced V ₂ O ₅ . Journal of Physical Chemistry B, 2000, 104, 5288-5297.	1.2	35
134	Highly Oriented V ₂ O ₅ Nanocrystalline Thin Films by Plasma-Enhanced Chemical Vapor Deposition. Chemistry of Materials, 2000, 12, 98-103.	3.2	67
135	Preparation and properties of vanadium dioxide thin films for uncooled microbolometer. , 0, , .		3
136	Surface Characterization of Ga ₂ O ₃ â€“TiO ₂ and V ₂ O ₅ /Ga ₂ O ₃ â€“TiO ₂ Catalysts. Journal of Physical Chemistry B, 2001, 105, 6227-6235.	1.2	65
137	Preparation and reactions of V ₂ O ₅ supported on TiO ₂ (110). Surface Science, 2001, 474, L213-L216.	0.8	76
138	Ultrathin film growth and spectroscopic characterization of VO _x (0.8â€“1.3) on Pt(111). Surface Science, 2001, 490, 376-384.	0.8	10
139	Electronic properties and structure of vanadia ultra-thin films grown on TiO ₂ (110) in a water vapour ambient. Surface Science, 2001, 494, 213-228.	0.8	13
140	Surface structures of ultrathin vanadium oxide films on Pd(111). Surface Science, 2001, 495, 91-106.	0.8	79
141	X-ray Photoelectron Spectroscopy Study of V ₂ O ₅ Dispersion on a Nanosized Al ₂ O ₃ -TiO ₂ Mixed Oxide. Langmuir, 2001, 17, 1132-1137.	1.6	32
142	XPS study of vanadiumâ€“yttrium hydrates. Journal of Electron Spectroscopy and Related Phenomena, 2001, 120, 131-135.	0.8	36
143	Spectroscopic and structural characterisation of a VO _x (x=1) ultrathin epitaxial film on Pt (111). Thin Solid Films, 2001, 400, 154-159.	0.8	9
144	Observation and interpretation of the Auger spectrum from the chemisorption during reactive implantation of nitrogen on the surface of a TiNi alloy. Vacuum, 2001, 63, 37-42.	1.6	5
145	An XPS study of dispersion and chemical state of MoO ₃ on Al ₂ O ₃ -TiO ₂ binary oxide support. Applied Catalysis A: General, 2001, 213, 279-288.	2.2	97

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146	Synchrotron radiation applied to the study of heterogeneous model catalyst surfaces. <i>Journal of Physics Condensed Matter</i> , 2001, 13, 11305-11332.	0.7	8
147	Electronic structure of and covalency driven metal-insulator transition in BaCo _{1-x} Ni _x S ₂ . <i>Physical Review B</i> , 2001, 63, .	1.1	14
148	High-resolution electron-energy-loss spectroscopy of vanadium and vanadium oxide thin films on TiO ₂ (110) $\sqrt{1 \times 1}$. <i>Physical Review B</i> , 2001, 64, .	1.1	15
149	Novel Interface-Mediated Metastable Oxide Phases: Vanadium Oxides on Pd(111). <i>Physical Review Letters</i> , 2001, 87, 086102.	2.9	112
150	Spin-1 effective Hamiltonian with three degenerate orbitals: An application to the case of V ₂ O ₃ . <i>Physical Review B</i> , 2002, 65, .	1.1	58
151	Ground-state electronic properties of V ₂ O ₃ . <i>Journal of Physics Condensed Matter</i> , 2002, 14, L37-L41.	0.7	8
152	Interaction of metal with oxide films: V on Cr ₂ O ₃ (0001)/Re(0001) and Cr on V ₂ O ₃ (0001)/Re(0001). <i>Journal of Physics Condensed Matter</i> , 2002, 14, 6321-6328.	0.7	3
153	Model Catalyst Studies on Vanadia Particles Deposited onto a Thin-Film Alumina Support. 1. Structural Characterization. <i>Journal of Physical Chemistry B</i> , 2002, 106, 8756-8761.	1.2	86
154	Cu on V ₂ O ₃ (0001) Films: $\sqrt{1 \times 1}$ Growth and Interaction. <i>Journal of Physical Chemistry B</i> , 2002, 106, 4721-4724.	1.2	20
155	Oxidation of Methanol to Formaldehyde on Vanadia Films Supported on CeO ₂ (111). <i>Journal of Physical Chemistry B</i> , 2002, 106, 6451-6455.	1.2	53
156	Surface Characterization of CeO ₂ /SiO ₂ and V ₂ O ₅ /CeO ₂ /SiO ₂ Catalysts by Raman, XPS, and Other Techniques. <i>Journal of Physical Chemistry B</i> , 2002, 106, 10964-10972.	1.2	149
157	Characterization of Titania Loaded V-, Fe-, and Cr-Incorporated MCM-41 by XRD, TPR, UV-vis, Raman, and XPS Techniques. <i>Journal of Physical Chemistry B</i> , 2002, 106, 3394-3401.	1.2	135
158	Temperature-Dependent Electronic Structure of VO ₂ in the Insulating Phase. <i>Journal of the Physical Society of Japan</i> , 2002, 71, 822-825.	0.7	19
159	Partial oxidation of methanol to formaldehyde on a model supported monolayer vanadia catalyst: vanadia on TiO ₂ ($\sqrt{1 \times 1}$). <i>Surface Science</i> , 2002, 496, 51-63.	0.8	69
160	Adsorption of molecular and atomic hydrogen on vacuum-cleaved V ₂ O ₅ ($\sqrt{1 \times 1}$). <i>Surface Science</i> , 2002, 496, 64-72.	0.8	67
161	An XPS study of the growth and electronic structure of vanadia films supported on CeO ₂ (111). <i>Surface Science</i> , 2002, 498, 266-274.	0.8	60
162	SRPES studies of the NO ₂ reaction with vanadium oxide thin films on TiO ₂ (110) $\sqrt{1 \times 1}$. <i>Surface Science</i> , 2002, 505, 71-80.	0.8	7
163	Classification of Simple Oxides: A Polarizability Approach. <i>Journal of Solid State Chemistry</i> , 2002, 163, 100-112.	1.4	362

#	ARTICLE	IF	CITATIONS
164	Surface characterization of sulfate, molybdate, and tungstate promoted TiO ₂ -ZrO ₂ solid acid catalysts by XPS and other techniques. <i>Applied Catalysis A: General</i> , 2002, 228, 269-278.	2.2	130
165	V ₂ O ₅ thin films deposited by means of d.c. magnetron sputtering from ceramic V ₂ O ₃ targets. <i>Surface and Interface Analysis</i> , 2002, 34, 724-727.	0.8	14
166	Surface segregation and oxidation of Ti in a Vâ€“Ti alloy. <i>Journal of Nuclear Materials</i> , 2002, 307-311, 580-584.	1.3	11
167	Quasi-particles and their absence in photoemission spectroscopy. <i>Solid State Communications</i> , 2002, 123, 469-487.	0.9	27
168	Divanadium Pentoxide Nanorods. <i>Advanced Materials</i> , 2003, 15, 329-331.	11.1	118
169	Vanadium oxide surface studies. <i>Progress in Surface Science</i> , 2003, 73, 117-165.	3.8	347
170	Ab initio density functional theory studies on oxygen stabilization at the V ₂ O ₃ (0 0 0 1) surface. <i>Surface Science</i> , 2003, 545, 85-98.	0.8	30
171	Relaxation and electronic structure of the V ₂ O ₃ (0001) surface: ab initio cluster model studies. <i>Surface Science</i> , 2003, 525, 33-45.	0.8	26
172	Structure and electronic properties of the V ₂ O ₃ (0001) surface: ab initio density functional theory cluster studies. <i>Surface Science</i> , 2003, 525, 46-56.	0.8	16
173	Reactivity of monolayer V ₂ O ₅ films on TiO ₂ (110) produced via the oxidation of vapor-deposited vanadium. <i>Surface Science</i> , 2003, 526, 211-218.	0.8	50
174	V ₂ O ₃ ($\bar{1}$) on Au($\bar{1}$) and W($\bar{1}$): growth, termination and electronic structure. <i>Surface Science</i> , 2003, 539, 99-112.	0.8	114
175	XPS studies for vanadium pentoxide along the catalytic bed: oxidative dehydrogenation of propane. <i>Applied Catalysis A: General</i> , 2003, 246, 237-242.	2.2	33
176	Lithium intercalation on amorphous V ₂ O ₅ thin film, obtained by r.f. deposition, using in situ sample transfer for XPS analysis. <i>Surface and Interface Analysis</i> , 2003, 35, 897-905.	0.8	18
177	Comparison of the reactivity of high-surface area, monolayer vanadia/ceria catalysts with vanadia/CeO ₂ (1 1 1) model systems. <i>Catalysis Today</i> , 2003, 85, 303-309.	2.2	31
178	Redox Behavior of Vanadium Oxide Nanotubes As Studied by X-ray Photoelectron Spectroscopy and Soft X-ray Absorption Spectroscopy. <i>Chemistry of Materials</i> , 2003, 15, 3227-3232.	3.2	54
179	Prominent Quasiparticle Peak in the Photoemission Spectrum of the Metallic Phase of V ₂ O ₃ . <i>Physical Review Letters</i> , 2003, 90, 186403.	2.9	143
180	Raman and X-ray Photoelectron Spectroscopy Study of CeO ₂ âˆ“ZrO ₂ and V ₂ O ₅ /CeO ₂ âˆ“ZrO ₂ Catalysts. <i>Langmuir</i> , 2003, 19, 3025-3030.	1.6	153
181	Surface analyses of Inâ€“V oxide films aged electrochemically by Li insertion reactions. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 5489-5498.	1.3	6

#	ARTICLE	IF	CITATIONS
182	Topotactic redox reactions of copper(ii) and iron(iii) salts within VOx nanotubes. Journal of Materials Chemistry, 2003, 13, 385-393.	6.7	69
183	Valence-band x-ray photoelectron spectroscopic studies of vanadium phosphates and the formation of oxide-free phosphate films on metallic vanadium. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2003, 21, 1133-1138.	0.9	18
184	A COMPREHENSIVE STUDY OF THE ELECTRONIC STRUCTURE OF BOROCARBIDES BY XPS TECHNIQUE. International Journal of Modern Physics B, 2003, 17, 361-371.	1.0	3
185	Atomic-level growth study of vanadium oxide nanostructures on Rh(111). Physical Review B, 2004, 69, .	1.1	87
186	Growth and properties of strainedVOxthin films with controlled stoichiometry. Physical Review B, 2004, 69, .	1.1	39
187	Photoemission study of the metal-insulator transition inVO2/TiO2(001):â€fEvidence for strong electron-electron and electron-phonon interaction. Physical Review B, 2004, 69, .	1.1	100
188	Effect of as-deposited residual stress on transition temperatures of VO2 thin films. Journal of Materials Research, 2004, 19, 2306-2314.	1.2	18
189	Hard X-ray core-level photoemission of V 2 O 3. Europhysics Letters, 2004, 68, 557-563.	0.7	32
190	A novel reductionâ€“hydrolysis method of preparing VO2 nanopowders. Materials Research Bulletin, 2004, 39, 881-886.	2.7	32
191	A TPD study of the partial oxidation of methanol to formaldehyde on CeO2-supported vanadium oxide. Journal of Catalysis, 2004, 221, 619-629.	3.1	79
192	Vibrational spectra of alumina- and silica-supported vanadia revisited: An experimental and theoretical model catalyst study. Journal of Catalysis, 2004, 226, 88-100.	3.1	258
193	Stabilization of nanosized titania-anatase for high temperature catalytic applications. Journal of Molecular Catalysis A, 2004, 223, 295-304.	4.8	44
194	Solâ€“gel-derived VîTi1â”iO2 films and their photocatalytic activities under visible light irradiation. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2004, 108, 187-193.	1.7	74
195	Determination of the V2p XPS binding energies for different vanadium oxidation states (V5+ to VO+). Journal of Electron Spectroscopy and Related Phenomena, 2004, 135, 167-175.	0.8	1,420
196	V2O3(0001) surface terminations: from oxygen- to vanadium-rich. Surface Science, 2004, 555, 101-117.	0.8	67
197	Thermal stability of electrodeposited nickel on vanadium: evidence for oxygen diffusion and intermetallic phase formation. Surface Science, 2004, 552, 215-228.	0.8	8
198	Distortion of V 3d line shape due to Auger emission in resonant photoemission spectra of (V1â”xCrx)2O3 at the V 2pâ†’3d absorption edge. Physica B: Condensed Matter, 2004, 351, 235-239.	1.3	3
199	Photoelectron spectroscopy study of oxygen vacancy on vanadium oxides surface. Applied Surface Science, 2004, 236, 473-478.	3.1	177

#	ARTICLE	IF	CITATIONS
200	Synthesis and characterization of a new medium surface area TiO ₂ -SiC material for use as photocatalyst. <i>Journal of Materials Chemistry</i> , 2004, 14, 1887-1895.	6.7	21
201	Alumina-Supported Vanadium Nanoparticles: Structural Characterization and CO Adsorption Properties. <i>Journal of the American Chemical Society</i> , 2004, 126, 3616-3626.	6.6	43
202	Evidence for a structurally-driven insulator-to-metal transition in VO ₂ : A view from the ultrafast timescale. <i>Physical Review B</i> , 2004, 70, .	1.1	599
203	Determination of vanadium valence in hydrated compounds. <i>Journal of Alloys and Compounds</i> , 2004, 382, 239-243.	2.8	20
204	UPS study of the thermal reduction of fully oxidized V ₂ O ₅ /TiO ₂ (001)-anatase model catalysts. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2005, 144-147, 377-380.	0.8	5
205	Photoelectron spectroscopic study of Li intercalation into V ₂ O ₅ thin films. <i>Surface Science</i> , 2005, 578, 203-212.	0.8	62
206	A fully oxidized V ₂ O ₅ /TiO ₂ (001)-anatase system studied with in situ synchrotron photoelectron spectroscopy. <i>Surface Science</i> , 2005, 584, 179-186.	0.8	17
207	Evolution of oxidation states in vanadium-based catalysts under conventional XPS conditions. <i>Applied Surface Science</i> , 2005, 249, 231-237.	3.1	70
208	XPS and UPS study of Na deposition on thin film V ₂ O ₅ . <i>Applied Surface Science</i> , 2005, 252, 1801-1805.	3.1	54
209	Effect of total gas and oxygen partial pressure during deposition on the properties of sputtered V ₂ O ₅ thin films. <i>Solid State Ionics</i> , 2005, 176, 1627-1634.	1.3	30
210	VO ₂ : A two-fluid incoherent metal?. <i>Europhysics Letters</i> , 2005, 69, 984-989.	0.7	25
211	Spectral momentum densities of vanadium and vanadium oxide as measured by high energy (e, 2e) spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2005, 17, 7689-7704.	0.7	2
212	Coulomb correlations and orbital polarization in the metal-insulator transition of VO ₂ . <i>Physical Review B</i> , 2005, 71, .	1.1	117
213	Reduction of vanadium-oxide monolayer structures. <i>Physical Review B</i> , 2005, 71, .	1.1	76
214	X-ray photoelectron spectroscopy study of mixed-valence effects and charge fluctuation in Na _x V ₂ O ₅ . <i>Physical Review B</i> , 2005, 72, .	1.1	11
215	Hole-doping-induced changes in the electronic structure of La _{1-x} Sr _x FeO ₃ : Soft x-ray photoemission and absorption study of epitaxial thin films. <i>Physical Review B</i> , 2005, 71, .	1.1	113
216	Band-Selective Measurements of Electron Dynamics in VO ₂ Using Femtosecond Near-Edge X-Ray Absorption. <i>Physical Review Letters</i> , 2005, 95, 067405.	2.9	247
217	Chiral Self-Dimerization of Vanadium Complexes on a SiO ₂ Surface for Asymmetric Catalytic Coupling of 2-Naphthol: Structure, Performance, and Mechanism. <i>Journal of Physical Chemistry B</i> , 2005, 109, 9905-9916.	1.2	46

#	ARTICLE	IF	CITATIONS
218	The Kondo Resonance in Electron Spectroscopy. Journal of the Physical Society of Japan, 2005, 74, 34-48.	0.7	43
219	Structural, optical, and electronic properties of vanadium oxide nanotubes. Physical Review B, 2005, 72, .	1.1	34
220	Electronic structure of AV ₂ O ₄ (A=Li, Zn, and Cd) studied by x-ray photoemission spectroscopy. Physical Review B, 2006, 74, .	1.1	16
221	Vanadium Doped Antimony-Tin Oxide Nano-Sols and their Films Produced by a Sol-Coating Method. Advances in Science and Technology, 2006, 45, 2614-2619.	0.2	1
222	Li-intercalation behaviour of vanadium oxide thin film prepared by thermal oxidation of vanadium metal. Electrochimica Acta, 2006, 51, 5001-5011.	2.6	42
223	Thin films of vanadium oxide grown on vanadium metal: oxidation conditions to produce V ₂ O ₅ films for Li-intercalation applications and characterisation by XPS, AFM, RBS/NRA. Surface and Interface Analysis, 2006, 38, 6-18.	0.8	71
224	A comparative XPS and UPS study of VO _x layers on mineral TiO ₂ (001)-anatase supports. Surface and Interface Analysis, 2006, 38, 1257-1265.	0.8	22
225	XPS investigations achieved on the first cycle of V ₂ O ₅ thin films used in lithium microbatteries. Journal of Electron Spectroscopy and Related Phenomena, 2006, 150, 1-10.	0.8	57
226	A comparative study of structural and impedance spectroscopic analysis of Li _x MVO ₄ (M=Ni, Co; x=0.8). Tj ETQq0 0,0,rgBT /Overlock 10	3.8	17
227	The influence of water on the dispersion of vanadia supported on silica SBA-15. Chemical Physics Letters, 2006, 432, 139-145.	1.2	28
228	The mechanism for the controlled synthesis of highly dispersed vanadia supported on silica SBA-15. Microporous and Mesoporous Materials, 2006, 95, 339-349.	2.2	49
229	Thin layers of Fe, Co and Ni on V ₂ O ₃ and V ₂ O ₃ (0001): A comparison of the interfacial magnetic interactions. Journal of Magnetism and Magnetic Materials, 2006, 303, 167-177.	1.0	13
230	Phase development in the catalytic system V ₂ O ₅ /TiO ₂ under oxidising conditions. Journal of the European Ceramic Society, 2006, 26, 3287-3294.	2.8	24
231	Characterization and catalytic activity of V ₂ O ₅ /Al ₂ O ₃ -TiO ₂ for selective oxidation of 4-methylanisole. Journal of Molecular Catalysis A, 2006, 253, 44-51.	4.8	99
232	XPS study of vanadium surface oxidation by oxygen ion bombardment. Surface Science, 2006, 600, 1628-1631.	0.8	97
233	Structural characterisation of ultra-thin VO _x films on TiO ₂ (110). Surface Science, 2006, 600, 4813-4824.	0.8	11
234	Low temperature adsorption of oxygen on reduced V ₂ O ₃ (0001) surfaces. Surface Science, 2006, 600, 1497-1503.	0.8	55
235	Effect of support on the activity of Ga ₂ O ₃ species for steam reforming of dimethyl ether. Applied Catalysis A: General, 2006, 300, 58-66.	2.2	26

#	ARTICLE	IF	CITATIONS
236	The synthesis of Pt-modified titanium dioxide thin films by microemulsion templating, their characterization and visible-light photocatalytic properties. <i>Materials Chemistry and Physics</i> , 2006, 97, 384-389.	2.0	41
237	Synthesis of New-Phased VOOH Hollow α -Dandelions and Their Application in Lithium-Ion Batteries. <i>Advanced Materials</i> , 2006, 18, 1727-1732.	11.1	213
238	Deposition of GdVO ₄ :Eu ³⁺ nanoparticles on silica nanospheres by a simple sol-gel method. <i>Nanotechnology</i> , 2006, 17, 3134-3138.	1.3	23
239	Transfer of Spectral Weight and Symmetry across the Metal-Insulator Transition in VO ₂ . <i>Physical Review Letters</i> , 2006, 97, 116402.	2.9	271
240	Ultra-Broadband Femtosecond Measurements of the Photo-Induced Phase Transition in VO ₂ : From the Mid-IR to the Hard X-rays. <i>Journal of the Physical Society of Japan</i> , 2006, 75, 011004.	0.7	47
241	Strain-induced pressure effect in pulsed laser deposited thin films of the strongly correlated oxide V ₂ O ₃ . <i>Physical Review B</i> , 2006, 74, .	1.1	39
242	Photoemission study of (V _{1-x} M _x) ₂ O ₃ (M=Cr,Ti). <i>Physical Review B</i> , 2006, 74, .	1.1	53
243	Photoemission study of TiO_2 interfaces. <i>Physical Review B</i> , 2007, 76, .	1.1	19
244	Chemical bonding and many-body effects in site-specific x-ray photoelectron spectra of V_2O_3 interfaces. <i>Physical Review B</i> , 2007, 76, .	1.1	18
245	in V_2O_3 . <i>Physical Review B</i> , 2007, 76, .	1.1	129
246	Effective band structure of correlated materials: the case of VO ₂ . <i>Journal of Physics Condensed Matter</i> , 2007, 19, 365206.	0.7	48
247	Absorption of Atomic Hydrogen by Vanadium. <i>Fusion Science and Technology</i> , 2007, 52, 613-617.	0.6	3
248	Ice-Assisted Preparation of Silica-Supported Vanadium Oxide Particles. <i>Journal of Physical Chemistry C</i> , 2007, 111, 5337-5344.	1.5	25
249	The Influence of Water on the Dispersion of Vanadia Supported on Silica SBA-15: A Combined XPS and Raman Study. <i>Journal of Physical Chemistry C</i> , 2007, 111, 9471-9479.	1.5	82
250	X-ray absorption spectroscopy of vanadium dioxide thin films across the phase-transition boundary. <i>Physical Review B</i> , 2007, 75, .	1.1	79
251	Structural Characterization and Oxidehydrogenation Activity of CeO ₂ /Al ₂ O ₃ and V ₂ O ₅ /CeO ₂ /Al ₂ O ₃ Catalysts. <i>Journal of Physical Chemistry C</i> , 2007, 111, 18751-18758.	1.5	104
252	The structure of the V ₂ O ₃ (0001) surface: A scanned-energy mode photoelectron diffraction study. <i>Surface Science</i> , 2007, 601, 3350-3360.	0.8	16
253	Oxidation of vanadium with reactive oxygen plasma: A photoelectron spectroscopy study of the initial stages of the oxide growth process. <i>Thin Solid Films</i> , 2007, 515, 6544-6547.	0.8	12

#	ARTICLE	IF	CITATIONS
254	Variation of the vanadium oxidation state within a VPO catalyst layer in a membrane reactor: XPS mapping and modelling. Applied Surface Science, 2007, 253, 5904-5909.	3.1	11
255	Influence of reaction conditions on catalyst composition and selective/non-selective reaction pathways of the ODP reaction over V ₂ O ₃ , VO ₂ and V ₂ O ₅ with O ₂ and N ₂ O. Applied Catalysis A: General, 2007, 319, 98-110.	2.2	50
256	Electronic structure of configuration vanadium oxides studied by soft X-ray and hard X-ray photoemission spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 2007, 156-158, 421-425.	0.8	18
257	Calculation of the electronic structure of the vanadium dioxide VO ₂ in the monoclinic low-temperature phase M1 using the generalized transition state method. Physics of Metals and Metallography, 2007, 104, 215-220.	0.3	6
258	XPS study of Li ion intercalation in V ₂ O ₅ thin films prepared by thermal oxidation of vanadium metal. Electrochimica Acta, 2007, 52, 5644-5653.	2.6	124
259	Highly Dispersed Ce _x Zr _{1-x} O ₂ Nano-Oxides Over Alumina, Silica and Titania Supports for Catalytic Applications. Catalysis Surveys From Asia, 2008, 12, 214-228.	1.0	26
260	The effects of oxygen vacancies on the electronic properties of V ₂ O ₅ ^x . Journal of Materials Science: Materials in Electronics, 2008, 19, 366-370.	1.1	12
261	Characterization of preferred orientated vanadium dioxide film on muscovite (001) substrate. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 2409-2412.	0.8	22
262	Al K _{1s} and Cu K _{1s} excited XPS of vanadium oxide and VF ₃ powders: Measurement of the V 1s Auger parameters. Journal of Electron Spectroscopy and Related Phenomena, 2008, 162, 19-24.	0.8	12
263	Dual activation in oxidative coupling of 2-naphthols catalyzed by chiral dinuclear vanadium complexes. Tetrahedron, 2008, 64, 3361-3371.	1.0	63
264	Vanadium-titanium oxides: Sol-gel synthesis and catalytic properties in chlorobenzene oxidation. Kinetics and Catalysis, 2008, 49, 446-450.	0.3	4
265	A facile method for preparing VO ₂ nanobelts. Materials Letters, 2008, 62, 1878-1880.	1.3	76
266	Nano-vanadium oxide thin films in mixed phase for microbolometer applications. Journal Physics D: Applied Physics, 2008, 41, 195108.	1.3	57
267	Li-Ion Intercalation in Thermal Oxide Thin Films of MoO ₃ as Studied by XPS, RBS, and NRA. Journal of Physical Chemistry C, 2008, 112, 11050-11058.	1.5	181
268	Photoelectron Spectroscopy of Catalytic Oxide Materials. , 0, , 243-298.		2
269	V and N co-doped nanocrystal anatase TiO ₂ photocatalysts with enhanced photocatalytic activity under visible light irradiation. Catalysis Communications, 2008, 9, 1472-1476.	1.6	144
270	Dinuclear chiral vanadium catalysts for oxidative coupling of 2-naphthols via a dual activation mechanism. Chemical Communications, 2008, , 4113.	2.2	101
271	GW approximation with LSDA and applications to NiO, MnO, and Physical Review B, 2008, 78, ,	1.1	39

#	ARTICLE	IF	CITATIONS
272	Chiral dinuclear vanadium(v) catalysts for oxidative coupling of 2-naphthols. Chemical Communications, 2008, , 1810.	2.2	60
273	Growth and Characterization of Ultrathin V_2O_5 (γ $\hat{=}$ 5) Films on Au(111). Journal of Physical Chemistry C, 2008, 112, 12363-12373.	1.5	20
274	Infrared reflectance and photoemission spectroscopy studies across the phase transition boundary in thin film vanadium dioxide. Journal of Physics Condensed Matter, 2008, 20, 465204.	0.7	43
275	Well-Ordered $V_{2 \times 5}$ (001) Thin Films on Au(111): Growth and Thermal Stability. Journal of Physical Chemistry C, 2008, 112, 11835-11846.	1.5	55
276	Effective bandstructure in the insulating phase versus strong dynamical correlations in metallic VO_2 . Physical Review B, 2008, 78, .	1.1	76
277	Photoemission evidence for a Mott-Hubbard metal-insulator transition in VO_2 . Hybridization between the d conduction band and t_{2g} orbitals in the oxide-based diluted magnetic semiconductor. Physical Review B, 2008, 78, .	1.1	90
278	Quasiparticles at the Mott Transition in VO_2 . Dependence and Surface Attenuation. Physical Review Letters, 2009, 102, 066805.	1.1	8
279	Surface Dead Layer for Quasiparticles Near a Mott Transition. Physical Review Letters, 2009, 102, 066806.	2.9	55
280	Direct Oxidation of Benzene to Phenol by Dioxygen over Nano- γ vanadium Oxide. Chinese Journal of Chemistry, 2009, 27, 2155-2158.	2.9	50
281	Phase structure of V_2O_5/TiO_2 catalyst and catalytic behavior with removal of NO by ammonia. Catalysis Letters, 2009, 132, 253-258.	2.6	7
282	Effect of ceria on the structure and catalytic activity of $V_2O_5/TiO_2 \hat{=} ZrO_2$ for oxidehydrogenation of ethylbenzene to styrene utilizing CO_2 as soft oxidant. Applied Catalysis B: Environmental, 2009, 91, 649-656.	1.4	5
283	Momentum-resolved spectroscopy of correlated metals: A view from dynamical mean field theory. Comptes Rendus Physique, 2009, 10, 537-547.	10.8	79
284	Shape Evolution of New-Phased Lepidocrocite $VOOH$ from Single-Shelled to Double-Shelled Hollow Nanospheres on the Basis of Programmed Reaction-Temperature Strategy. Inorganic Chemistry, 2009, 48, 6044-6054.	0.3	5
285	Hydration and Reduction of Molecular Beam Epitaxy Grown $VO_x \hat{=} Fe_2O_3(0001)$: Ambient Pressure Study. Journal of Physical Chemistry C, 2009, 113, 1406-1410.	1.9	92
286	$\hat{=} 48 \hat{=} keV$ photoemission of the metal-insulator transition system VO_2 . New Journal of Physics, 2009, 11, 103015.	1.5	5
287	Optical properties of correlated materials: Generalized Peierls approach and its application to VO_2 . Physical Review B, 2009, 80, .	1.2	28
288	Development of Dinuclear Vanadium Catalysts for Enantioselective Coupling of 2-Naphthols via a Dual Activation Mechanism. Chemical and Pharmaceutical Bulletin, 2009, 57, 1179-1188.	1.1	81
289		0.6	37

#	ARTICLE	IF	CITATIONS
290	Thin Film Metal-Oxides. , 2010, , .		59
292	Direct Confined Space Combustion Forming Monoclinic Vanadium Dioxides. Angewandte Chemie - International Edition, 2010, 49, 134-137.	7.2	53
293	Synthesis and characterization of Fe/CeO ₂ catalysts: Epoxidation of cyclohexene. Journal of Molecular Catalysis A, 2010, 318, 60-67.	4.8	67
294	Impact of substrate temperature on the microstructure, electrical and optical properties of sputtered nanoparticle V ₂ O ₅ thin films. Vacuum, 2010, 85, 145-150.	1.6	43
295	SO ₂ -promoted reduction of NO with NH ₃ over vanadium molecularly anchored on the surface of carbon nanotubes. Catalysis Today, 2010, 158, 393-400.	2.2	44
296	Strongly correlated metal interfaces in the Gutzwiller approximation. Physical Review B, 2010, 81, .	1.1	19
297	Metal-insulator transition characteristics of VO ₂ thin films grown on Ge(100) single crystals. Journal of Applied Physics, 2010, 108, .	1.1	95
298	Study of the resonant frequencies of silicon microcantilevers coated with vanadium dioxide films during the insulator-to-metal transition. Journal of Applied Physics, 2010, 107, 053528.	1.1	18
299	Dielectric and carrier transport properties of vanadium dioxide thin films across the phase transition utilizing gated capacitor devices. Physical Review B, 2010, 82, .	1.1	109
300	From synthetic montroseite VOOH to topochemical paramontroseite VO ₂ and their applications in aqueous lithium ion batteries. Dalton Transactions, 2010, 39, 10729.	1.6	61
301	Redox Driven Crystalline Coherent-Incoherent Transformation for a 2 ML VO _x Film Grown on $\sqrt{2}\times\sqrt{2}$ -TiO ₂ (110). Journal of Physical Chemistry C, 2010, 114, 19723-19726.	1.5	16
302	Single-crystal H ₂ V ₃ O ₈ nanowires: a competitive anode with large capacity for aqueous lithium-ion batteries. Journal of Materials Chemistry, 2011, 21, 1780-1787.	6.7	100
303	New aspects of size-dependent metal-insulator transition in synthetic single-domain monoclinic vanadium dioxide nanocrystals. Nanoscale, 2011, 3, 4394.	2.8	67
304	Nature of dispersed vanadium oxide: influence of the silica support structure and synthesis methods. Catalysis Science and Technology, 2011, 1, 1175.	2.1	26
305	Effect of Zirconia Doping on the Structure and Stability of CaO-Based Sorbents for CO ₂ Capture during Extended Operating Cycles. Journal of Physical Chemistry C, 2011, 115, 24804-24812.	1.5	156
306	Electronic structure of Vanadium pentoxide: An efficient hole injector for organic electronic materials. Journal of Applied Physics, 2011, 110, .	1.1	224
307	Pillar effect on cyclability enhancement for aqueous lithium ion batteries: a new material of $\sqrt{2}$ -vanadium bronze M _{0.33} V ₂ O ₅ (M = Ag, Na) nanowires. Journal of Materials Chemistry, 2011, 21, 14466.	6.7	101
308	Ultrafast Solid-State Transformation Pathway from New-Phased Goethite VOOH to Paramontroseite VO ₂ to Rutile VO ₂ (R). Journal of Physical Chemistry C, 2011, 115, 791-799.	1.5	49

#	ARTICLE	IF	CITATIONS
309	XPS and TPD investigation of CO adsorption on mixed Rh-V layers supported by gamma-alumina. Applied Surface Science, 2011, 258, 908-913.	3.1	7
310	A vanadium-based conversion coating as chromate replacement for electrogalvanized steel substrates. Journal of Alloys and Compounds, 2011, 509, 503-507.	2.8	62
311	Polyoxometalates and colloidal nanocrystals as building blocks for metal oxide nanocomposite films. Journal of Materials Chemistry, 2011, 21, 11631.	6.7	70
312	Preparation of high performance pure single phase VO ₂ nanopowder by hydrothermally reducing the V ₂ O ₅ gel. Solar Energy Materials and Solar Cells, 2011, 95, 3520-3526.	3.0	99
313	Sulfur tolerant metal doped Fe/Ce catalysts for high temperature WGS reaction at low steam to CO ratios - XPS and Mössbauer spectroscopic study. Journal of Catalysis, 2011, 282, 258-269.	3.1	80
314	An experimental feasibility study of vanadium oxide films on metallic bipolar plates for the cold start enhancement of fuel cell vehicles. International Journal of Hydrogen Energy, 2011, 36, 15826-15837.	3.8	14
315	Compositional and metal-insulator transition characteristics of sputtered vanadium oxide thin films on yttria-stabilized zirconia. Journal of Materials Science, 2011, 46, 5768-5774.	1.7	15
316	Asymmetric Aerobic Oxidation of α -Hydroxy Acid Derivatives Catalyzed by Reusable, Polystyrene-Supported Chiral N -Salicylidene Oxidovanadium(III) Leucinates. Advanced Synthesis and Catalysis, 2011, 353, 1234-1240.	2.1	35
317	New Phased Metastable V ₂ O ₃ Porous Urchinlike Micronanostructures: Facile Synthesis and Application in Aqueous Lithium Ion Batteries. Chemistry - A European Journal, 2011, 17, 384-391.	1.7	66
318	Structural characterization and photocatalytic activity of B ₂ O ₃ /ZrO ₂ -TiO ₂ mesoporous fibers. Applied Catalysis B: Environmental, 2011, 103, 428-435.	10.8	34
319	Determination of the oxidation state and coordination of a vanadium doped chalcogenide glass. Optical Materials, 2011, 33, 315-322.	1.7	9
320	Preparation of V ₂ O ₃ nanopowders by supercritical fluid reduction. Journal of Supercritical Fluids, 2011, 56, 194-200.	1.6	20
321	Electrical and optical properties of nanostructured VO _x thin films prepared by direct current magnetron reactive sputtering and post-annealing in oxygen. Thin Solid Films, 2011, 519, 6203-6207.	0.8	15
322	Preparation and Electrochemical Properties of VO _x (B) Nano-Belts. Materials Science Forum, 0, 694, 91-97.	0.3	0
323	Substrate effects on metal-insulator transition characteristics of rf-sputtered epitaxial VO ₂ thin films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2011, 29, .	0.9	51
324	Electronic excitation induced controlled modifications of semiconductor-to-metal transition in epitaxial VO ₂ thin films. Journal of Materials Research, 2011, 26, 2901-2906.	1.2	41
325	A rapid microwave-assisted solution combustion synthesis of CuO promoted CeO ₂ -MxOy (M=Zr, La, Pr) Tj ETQq0 0 0 rgBT /Overlock	2.2	61
326	Dense Electron System from Gate-Controlled Surface Metal-Insulator Transition. Nano Letters, 2012, 12, 6272-6277.	4.5	57

#	ARTICLE	IF	CITATIONS
327	Synthesis of vanadium dioxide thin films on conducting oxides and metal-insulator transition characteristics. <i>Journal of Crystal Growth</i> , 2012, 338, 96-102.	0.7	28
328	Room-Temperature Intercalation-Deintercalation Strategy Towards VO ₂ (B) Single Layers with Atomic Thickness. <i>Small</i> , 2012, 8, 3752-3756.	5.2	65
329	Processing, characterization, and bactericidal activity of undoped and silver-doped vanadium oxides. <i>Materials Chemistry and Physics</i> , 2012, 137, 596-603.	2.0	14
330	Vanadium-containing nickel phosphate molecular sieves as catalysts for α -pinene oxidation with molecular oxygen: A study of the effect of vanadium content on activity and selectivity. <i>Journal of Molecular Catalysis A</i> , 2012, 363-364, 328-334.	4.8	16
331	Unexpected Behavior of Copper in Modified Ferrites during High Temperature WGS Reaction-Aspects of Fe ³⁺ Fe ²⁺ Redox Chemistry from Mössbauer and XPS Studies. <i>Journal of Physical Chemistry C</i> , 2012, 116, 11019-11031.	1.5	131
332	Ultrathin Na _{1.08} V ₃ O ₈ nanosheets-a novel cathode material with superior rate capability and cycling stability for Li-ion batteries. <i>Energy and Environmental Science</i> , 2012, 5, 6173.	15.6	88
333	Reducing hydrated protons co-intercalation to enhance cycling stability of CuV ₂ O ₅ nanobelts: a new anode material for aqueous lithium ion batteries. <i>Journal of Materials Chemistry</i> , 2012, 22, 16957.	6.7	29
334	Stoichiometric vanadium oxides studied by XPS. <i>Surface and Interface Analysis</i> , 2012, 44, 1022-1025.	0.8	301
335	XPS-SIMS Surface Characterization of Aluminovanadate Oxide Catalyst Precursors Co-Precipitated at Different pH: Effect of Calcination. <i>Topics in Catalysis</i> , 2012, 55, 731-746.	1.3	6
336	Long-term WGS stability of Fe/Ce and Fe/Ce/Cr catalysts at high and low steam to CO ratios-XPS and Mössbauer spectroscopic study. <i>Applied Catalysis A: General</i> , 2012, 415-416, 101-110.	2.2	36
337	Surface chemistry of phase-pure M ₁ MoVTeNb oxide during operation in selective oxidation of propane to acrylic acid. <i>Journal of Catalysis</i> , 2012, 285, 48-60.	3.1	149
338	Influence of ceria modification on the properties of TiO ₂ -ZrO ₂ supported V ₂ O ₅ catalysts for selective catalytic reduction of NO by NH ₃ . <i>Journal of Colloid and Interface Science</i> , 2012, 376, 233-238.	5.0	48
339	Sol-gel synthesis and electrochemical properties of 9LiFePO ₄ ·Li ₃ V ₂ (PO ₄) ₃ /C composite cathode material for lithium ion batteries. <i>Electrochimica Acta</i> , 2012, 74, 8-15.	2.6	80
340	Novel synthesis of LiVPO ₄ F cathode material by chemical lithiation and postannealing. <i>Journal of Power Sources</i> , 2012, 202, 380-383.	4.0	58
341	Low-Temperature Solution-Processed Hydrogen Molybdenum and Vanadium Bronzes for an Efficient Hole-Transport Layer in Organic Electronics. <i>Advanced Materials</i> , 2013, 25, 2051-2055.	11.1	269
342	Nickel-based layered double hydroxide from guest vanadium oxide anions. <i>Metals and Materials International</i> , 2013, 19, 887-894.	1.8	28
343	Atomic Structure and Special Reactivity Toward Methanol Oxidation of Vanadia Nanoclusters on TiO ₂ (110). <i>Journal of the American Chemical Society</i> , 2013, 135, 17331-17338.	6.6	39
344	Vanadium Bisimide Bonding Investigated by X-ray Crystallography, ⁵¹ V and ¹³ C Nuclear Magnetic Resonance Spectroscopy, and V L _{3,2} -Edge X-ray Absorption Near-Edge Structure Spectroscopy. <i>Inorganic Chemistry</i> , 2013, 52, 11650-11660.	1.9	9

#	ARTICLE	IF	CITATIONS
345	Control of the metal-insulator transition in vanadium dioxide by modifying orbital occupancy. <i>Nature Physics</i> , 2013, 9, 661-666.	6.5	448
346	Effects of O ₂ pressure on the oxidation of VO _x /Pt(111). <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 12124.	1.3	10
347	Li _{0.3} V ₂ O ₅ with high lithium diffusion rate: a promising anode material for aqueous lithium-ion batteries with superior rate performance. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5423.	5.2	45
348	Improving the contrast of top-emitting organic light-emitting diodes with alternating V ₂ O ₅ /Ag layers. <i>Thin Solid Films</i> , 2013, 534, 645-649.	0.8	3
349	High capacity and enhanced structural reversibility of δ -Li _x V ₂ O ₅ nanorods as the lithium battery cathode. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5361.	5.2	28
350	The First Report on Excellent Cycling Stability and Superior Rate Capability of Na ₃ V ₂ (PO ₄) ₃ for Sodium Ion Batteries. <i>Advanced Energy Materials</i> , 2013, 3, 444-450.	10.2	672
351	Pd ²⁺ -Incorporated Perovskite CaPd ₃ Bi ₄ O ₁₂ (Bi = Ti, V). <i>Inorganic Chemistry</i> , 2013, 52, 1604-1609.	1.9	43
352	Electrical and thermal transport properties of vanadium oxide thin films on metallic bipolar plates for fuel cell applications. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 11591-11599.	3.8	11
353	Structural, optical and magnetic properties of Cu and V co-doped ZnO nanoparticles. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2013, 47, 1-5.	1.3	35
354	Molecular Orientation and Electronic States of Vanadyl Phthalocyanine on Si(111) and Ag(111) Surfaces. <i>Journal of Physical Chemistry C</i> , 2013, 117, 22843-22851.	1.5	30
355	Synthesis of Diazenido-Ligated Vanadium Nanoparticles. <i>Langmuir</i> , 2013, 29, 5099-5103.	1.6	9
356	Structural perturbations of epitaxial δ -(Fe _{1-x} V _x) ₂ O ₃ thin films driven by excess oxygen near the surface. <i>Journal of Applied Physics</i> , 2014, 116, .	1.1	10
357	Development of methodology for surface characterization of vanadium containing slag. <i>Surface and Interface Analysis</i> , 2014, 46, 984-988.	0.8	9
358	Study of the electronic structure of sodium-vanadium bronze (Na _x V ₂ O ₅) single crystals at x = 0.23, 0.28, and 0.33. <i>Journal of Surface Investigation</i> , 2014, 8, 117-126.	0.1	0
359	Selective oxidation of formaldehyde to formic acid over supported vanadia catalysts. <i>Applied Catalysis A: General</i> , 2014, 475, 98-108.	2.2	25
360	Calculation of metallic and insulating phases of V ₂ O ₃ by hybrid density functionals. <i>Journal of Chemical Physics</i> , 2014, 140, 054702.	1.2	24
361	Selective oxidation of methanol to form dimethoxymethane and methyl formate over a monolayer V ₂ O ₅ /TiO ₂ catalyst. <i>Journal of Catalysis</i> , 2014, 311, 59-70.	3.1	114
362	CO ₂ promoted oxidative dehydrogenation of n-butane over VO _x /MO ₂ -ZrO ₂ (M=Ce or Ti) catalysts. <i>Journal of CO₂ Utilization</i> , 2014, 5, 41-46.	3.3	41

#	ARTICLE	IF	CITATIONS
363	Annealed NaV ₃ O ₈ nanowires with good cycling stability as a novel cathode for Na-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3563.	5.2	107
364	Oxidative Dehydrogenation of Ethane to Ethylene over V ₂ O ₅ /Al ₂ O ₃ Catalysts: Effect of Source of Alumina on the Catalytic Performance. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 18711-18721.	1.8	46
365	Stable 4 V-class bicontinuous cathodes by hierarchically porous carbon coating on Li ₃ V ₂ (PO ₄) ₃ nanospheres. <i>Nanoscale</i> , 2014, 6, 12426-12433.	2.8	20
366	Room-temperature epitaxial growth of V ₂ O ₃ films. <i>Science China: Physics, Mechanics and Astronomy</i> , 2014, 57, 1866-1869.	2.0	6
367	Influence of the Metal Oxide Substrate Structure on Vanadium Oxide Monomer Formation. <i>Topics in Catalysis</i> , 2014, 57, 177-187.	1.3	10
368	Room-temperature ferromagnetism properties of monoclinic VO ₂ (M1) nanobelts. <i>Materials Research Bulletin</i> , 2014, 53, 102-106.	2.7	11
369	Electroforming free resistive switching memory in two-dimensional VO _x nanosheets. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	27
370	Nanocrystalline Anatase Titania-Supported Vanadia Catalysts: Facet-Dependent Structure of Vanadia. <i>Journal of Physical Chemistry C</i> , 2015, 119, 15094-15102.	1.5	28
371	Chemically modified morphologies of vanadium pentoxide as superior cathode material for lithium ion battery. <i>Journal of Alloys and Compounds</i> , 2015, 632, 126-132.	2.8	16
372	Mo-doped LiV ₃ O ₈ nanorod-assembled nanosheets as a high performance cathode material for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 3547-3558.	5.2	102
373	Vanadium oxide nanostructures on another oxide: The viewpoint from model catalysts studies. <i>Coordination Chemistry Reviews</i> , 2015, 301-302, 106-122.	9.5	50
374	Chemically induced porosity on BiVO ₄ films produced by double magnetron sputtering to enhance the photo-electrochemical response. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 17821-17827.	1.3	36
375	Facile synthesis of mesoporous V ₂ O ₅ nanosheets with superior rate capability and excellent cycling stability for lithium ion batteries. <i>Journal of Power Sources</i> , 2015, 294, 1-7.	4.0	91
376	Highly selective ethanol sensing properties of hydrothermally synthesized cerium orthovanadate (CeVO ₄) nanorods. <i>Materials Letters</i> , 2015, 154, 144-147.	1.3	24
377	The impact of steam on the electronic structure of the selective propane oxidation catalyst MoVTeNb oxide (orthorhombic M1 phase). <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 8983-8993.	1.3	31
378	Study of the structural, thermal, optical, electrical and nanomechanical properties of sputtered vanadium oxide smart thin films. <i>RSC Advances</i> , 2015, 5, 35737-35745.	1.7	35
379	Self-template processed hierarchical V ₂ O ₅ nanobelts as cathode for high performance lithium ion battery. <i>Electrochimica Acta</i> , 2015, 182, 621-628.	2.6	28
380	Three-Dimensional Porous Iron Vanadate Nanowire Arrays as a High-Performance Lithium-Ion Battery. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 27685-27693.	4.0	32

#	ARTICLE	IF	CITATIONS
381	Thermally Stable Solution Processed Vanadium Oxide as a Hole Extraction Layer in Organic Solar Cells. <i>Materials</i> , 2016, 9, 235.	1.3	19
382	Synthesis and Characterization of CMK Porous Carbons Modified with Metals Applied to Hydrogen Uptake and Storage. , 0, , .		3
383	Growth of ultrathin vanadium oxide films on Ag(100). <i>Japanese Journal of Applied Physics</i> , 2016, 55, 075501.	0.8	1
384	Structural and electronic properties of V ₂ O ₃ ultrathin film on Ag(001): LEED and photoemission study. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	0
385	Li ₃ V ₂ (PO ₄) ₃ /LiFePO ₄ composite hollow microspheres for wide voltage lithium ion batteries. <i>Electrochimica Acta</i> , 2016, 219, 682-692.	2.6	24
386	Effects of annealing ambient on oxygen vacancies and phase transition temperature of VO ₂ thin films. <i>RSC Advances</i> , 2016, 6, 79383-79388.	1.7	56
387	Synthesis of hierarchical groove-like lepidorococite-VOOH and applications in aqueous lithium ion batteries. <i>Materials Letters</i> , 2016, 184, 134-138.	1.3	7
388	Highly Efficient Fenton and Enzyme-Mimetic Activities of Mixed-Phase VO _x Nanoflakes. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 30126-30132.	4.0	61
389	The effect of nitrogen annealing on lithium ion intercalation in nickel-doped lithium trivanadate. <i>Science Bulletin</i> , 2016, 61, 587-593.	4.3	10
390	LiVPO ₄ F/C cathode synthesized by a fast chemical reduction method for lithium-ion batteries. <i>Materials Letters</i> , 2016, 170, 35-38.	1.3	6
391	Self-doped V ⁴⁺ V ₂ O ₅ nanoflake for 2 Li-ion intercalation with enhanced rate and cycling performance. <i>Nano Energy</i> , 2016, 22, 1-10.	8.2	143
392	Preparation, Characterization, and Lithium Intercalation Behavior of LiVO ₃ Cathode Material for Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2016, 120, 3242-3249.	1.5	21
393	Novel hierarchical three-dimensional ammonium vanadate nanowires electrodes for lithium ion battery. <i>Applied Surface Science</i> , 2016, 360, 658-665.	3.1	30
394	Synthesis of vanadium doped ZnO nanoparticles by sol-gel method and its characterization. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 2159-2165.	1.1	26
395	Sulphur-reduced self-assembly of flower-like vanadium pentoxide as superior cathode material for Li-ion battery. <i>Journal of Alloys and Compounds</i> , 2016, 655, 79-85.	2.8	12
396	Facile synthesis and electrical switching properties of V ₂ O ₃ powders. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2017, 217, 1-6.	1.7	10
397	Thickness-dependent evolution of structure, electronic structure, and metal-insulator transition in ultrathin V ₂ O ₃ (0001) films on Ag(001). <i>Surface Science</i> , 2017, 659, 43-51.	0.8	4
398	Ce promoted V ₂ O ₅ catalyst in oxidation of SO ₂ reaction. <i>Applied Catalysis B: Environmental</i> , 2017, 209, 190-202.	10.8	25

#	ARTICLE	IF	CITATIONS
399	Epitaxial corundum-VTiO ₃ thin films grown on c-cut sapphire. Thin Solid Films, 2017, 631, 85-92.	0.8	5
400	Naturally formed ultrathin V ₂ O ₅ heteroepitaxial layer on VO ₂ /sapphire(001) film. Applied Surface Science, 2017, 419, 365-372.	3.1	14
401	Mechanisms of AZO workfunction tuning for anode use in OLEDs: Surface dipole manipulation with plasma treatments versus nanoscale WO _x and VO _x interfacial layers. Journal of Applied Physics, 2017, 121, .	1.1	10
402	The Impact of the Bulk Structure on Surface Dynamics of Complex Mo-V-based Oxide Catalysts. ACS Catalysis, 2017, 7, 3061-3071.	5.5	53
403	Composition-dependent charge transfer and phase separation in the V _{1-x} Re _x O ₂ solid solution. Dalton Transactions, 2017, 46, 1606-1617.	1.6	3
404	Study of Si doped VO ₂ thin films for solar thermal applications. Energy Procedia, 2017, 122, 745-750.	1.8	13
405	Unusual valence state and metal-insulator transition in BaV ₁₀ O ₁₅ probed by hard x-ray photoemission spectroscopy. Physical Review B, 2017, 95, .	1.1	14
406	Effects of annealing on thermochromic properties of W-doped vanadium dioxide thin films deposited by electron beam evaporation. Thin Solid Films, 2017, 644, 52-56.	0.8	26
407	Electronic properties of BaV ₁₃ O ₁₈ . Physical Review B, 2017, 95, .	1.1	8
408	Evidence for Weakly Correlated Oxygen Holes in the Highest- T _c Cuprate Superconductor HgBa ₂ Ca ₂ Cu ₃ O ₈ +f. Physical Review Letters, 2017, 119, 057001.	2.9	9
409	Mechanisms of enhanced lithium intercalation into thin film V ₂ O ₅ in ionic liquids investigated by X-ray photoelectron spectroscopy and time-of-flight secondary ion mass spectrometry. Journal of Power Sources, 2017, 364, 61-71.	4.0	1
410	Irreversible metal-insulator transition in thin film VO ₂ induced by soft X-ray irradiation. Applied Physics Letters, 2017, 111, .	1.5	7
411	Synthesis, structure, optical and magnetic properties of interlamellar decoration of magadiite using vanadium oxide species. Microporous and Mesoporous Materials, 2017, 244, 264-277.	2.2	41
412	AC, DC conduction and dielectric behaviour of solid and liquid phase sintered Al ₂ O ₃ -15mol% V ₂ O ₅ pellets. Ceramics International, 2017, 43, 3202-3211.	2.3	5
413	Determination of the Mode of Occurrence of V, Fe, and Mn in Slags and Charge of Vanadium Production by X-Ray Spectroscopy. Inorganic Materials, 2017, 53, 1399-1404.	0.2	4
414	Mo-Al co-doped VO ₂ (B) thin films: CVD synthesis, thermal sensitive properties, synchrotron radiation photoelectron and absorption spectroscopy study. Journal of Alloys and Compounds, 2018, 745, 247-255.	2.8	13
415	Synchrotron analysis of structure transformations in V and V/Ag thin films. Vacuum, 2018, 150, 186-195.	1.6	4
416	Confinement-driven electronic and topological phases in corundum-derived V ₃ VO ₈ -oxide honeycomb lattices. Physical Review B, 2018, 97, .		

#	ARTICLE	IF	CITATIONS
417	Influence of Steam on a Vanadyl Pyrophosphate Catalyst During Propane Oxidation. <i>Journal of Physical Chemistry B</i> , 2018, 122, 695-704.	1.2	9
418	Nanostructured-VO ₂ (B): A high-capacity magnesium-ion cathode and its electrochemical reaction mechanism. <i>Electrochimica Acta</i> , 2018, 260, 805-813.	2.6	47
419	VO ₂ /ZnS core-shell nanoparticle for the adaptive infrared camouflage application with modified color and enhanced oxidation resistance. <i>Solar Energy Materials and Solar Cells</i> , 2018, 176, 1-8.	3.0	54
420	Effects of Fe and V States on the Fenton Catalytic Activity of Natural Rutile. <i>Clays and Clay Minerals</i> , 2018, 66, 261-273.	0.6	3
421	Reversible and repeatable phase transition at a negative temperature regime for doped and co-doped spin coated mixed valence vanadium oxide thin films. <i>RSC Advances</i> , 2018, 8, 30966-30977.	1.7	5
422	Highly intense room-temperature photoluminescence in V ₂ O ₅ nanospheres. <i>RSC Advances</i> , 2018, 8, 41317-41322.	1.7	32
423	Superior High-Rate and Ultralong-Lifespan Na ₃ V ₂ (PO ₄) ₃ @C Cathode by Enhancing the Conductivity Both in Bulk and on Surface. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 35963-35971.	4.0	74
424	Controllable recovery of ammonium substituted polyoxovanadate acid compound (ASPOVC) from aqueous/leaching solution by primary amines. <i>Journal of Cleaner Production</i> , 2018, 205, 728-737.	4.6	6
425	Modulation of oxygen vacancies assisted ferroelectric and photovoltaic properties of (Nd, V) co-doped BiFeO ₃ thin films. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 275303.	1.3	26
426	Spectroscopic Studies on the Metal-Insulator Transition Mechanism in Correlated Materials. <i>Advanced Materials</i> , 2018, 30, e1704777.	11.1	18
427	VO ₂ as a natural optical metamaterial. <i>Optics Express</i> , 2018, 26, 5342.	1.7	20
428	Atomic-level insight into super-efficient electrocatalytic oxygen evolution on iron and vanadium co-doped nickel (oxy)hydroxide. <i>Nature Communications</i> , 2018, 9, 2885.	5.8	669
429	Novel single-layer vanadium sulphide phases. <i>2D Materials</i> , 2018, 5, 045009.	2.0	48
430	Electrochemical properties and structure of vanadium-based conversion coatings on electro-galvanised steel. <i>Transactions of the Institute of Metal Finishing</i> , 2018, 96, 193-199.	0.6	1
431	Potassium vanadates with stable structure and fast ion diffusion channel as cathode for rechargeable aqueous zinc-ion batteries. <i>Nano Energy</i> , 2018, 51, 579-587.	8.2	425
432	Mo-doped V ₂ O ₅ hierarchical nanorod/nanoparticle core/shell porous microspheres with improved performance for cathode of lithium-ion battery. <i>Journal of Nanoparticle Research</i> , 2018, 20, 1.	0.8	16
433	Effect of oxygen content on the electrical properties of sputter deposited vanadium oxide thin-films. <i>Materials Science in Semiconductor Processing</i> , 2018, 88, 127-131.	1.9	15
434	Mechanistic Insights of Zn ²⁺ Storage in Sodium Vanadates. <i>Advanced Energy Materials</i> , 2018, 8, 1801819.	10.2	225

#	ARTICLE	IF	CITATIONS
435	The study of lithium vanadium oxide LiV_3O_8 as an electrode material for all-solid-state lithium-ion batteries with solid electrolyte $\text{Li}_3.4\text{Si}_0.4\text{PO}_6\text{O}_4$. <i>Electrochimica Acta</i> , 2019, 320, 134570.	2.6	11
436	Boosting High-Rate Sodium Storage Performance of N -Doped Carbon-Encapsulated $\text{Na}_3\text{V}_2(\text{PO}_4)_3$ Nanoparticles Anchoring on Carbon Cloth. <i>Small</i> , 2019, 15, e1902432.	5.2	51
437	Synthesis of V_2O_3 nanoplates for the exploration of the correlated supercritical state. <i>Physical Review B</i> , 2019, 100, .	1.1	5
438	Synthesis of polycrystalline $\text{K}_0.25\text{V}_2\text{O}_5$ nanoparticles as cathode for aqueous zinc-ion battery. <i>Journal of Alloys and Compounds</i> , 2019, 801, 82-89.	2.8	56
439	Electronic and Dielectric Properties of MoV -Oxide (M1 Phase) under Alkane Oxidation Conditions. <i>Journal of Physical Chemistry C</i> , 2019, 123, 13269-13282.	1.5	20
440	Network mixed metal oxide (V^{4+} and Ti^{4+}) nanostructures as potential material for the detection of trimethylamine. <i>New Journal of Chemistry</i> , 2019, 43, 11069-11081.	1.4	23
441	V_2O_5 Nanospheres with Mixed Vanadium Valences as High Electrochemically Active Aqueous Zinc-Ion Battery Cathode. <i>Nano-Micro Letters</i> , 2019, 11, 25.	14.4	274
442	Understanding capacity fading of the LiVO_3 cathode material by limiting the cutoff voltage. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 7009-7015.	1.3	11
443	Delicate lattice modulation enables superior Na storage performance of $\text{Na}_3\text{V}_2(\text{PO}_4)_3$ as both an anode and cathode material for sodium-ion batteries: understanding the role of calcium substitution for vanadium. <i>Journal of Materials Chemistry A</i> , 2019, 7, 9807-9814.	5.2	56
444	Regenerating the used LiFePO_4 to high performance cathode via mechanochemical activation assisted V^{5+} doping. <i>Ceramics International</i> , 2019, 45, 11792-11801.	2.3	38
445	Metal-insulator transition of monoclinic VO_2 thin film without Peierls distortion. <i>Vacuum</i> , 2019, 163, 338-341.	1.6	4
446	Tailoring NaVO_3 as a novel stable cathode for lithium rechargeable batteries. <i>Electrochimica Acta</i> , 2019, 307, 224-231.	2.6	7
447	X-ray induced vanadium $\text{L}_{3\text{M}23\text{M}45}$ auger electron spectra as tool to trace vanadium oxidation state: Study of surface stoichiometry recovery of V_2O_3 film. <i>Surfaces and Interfaces</i> , 2019, 15, 26-29.	1.5	1
448	Pseudocapacitive Graphene-Wrapped Porous VO_2 Microspheres for Ultrastable and Ultrahigh-Rate Sodium-Ion Storage. <i>ChemElectroChem</i> , 2019, 6, 1400-1406.	1.7	7
449	Chemical, Structural, and Electronic Characterization of the (010) Surface of Single Crystalline Bismuth Vanadate. <i>Journal of Physical Chemistry C</i> , 2019, 123, 8347-8359.	1.5	28
450	Ethanol aerobic and anaerobic oxidation with FeVO_4 and V_2O_5 catalysts. <i>Applied Catalysis A: General</i> , 2019, 570, 139-147.	2.2	16
451	Temperature-dependent valence state within the metallic phase of $\text{BaV}_1\text{O}_{15}$ probed by hard x-ray photoelectron spectroscopy. <i>Physical Review B</i> , 2019, 99, .	1.1	4
452	W -doped $\text{VO}_2(\text{B})$ nanosheets-built 3D networks for fast lithium storage at high temperatures. <i>Electrochimica Acta</i> , 2019, 295, 393-400.	2.6	26

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453	High-performance multiphase $\text{Li}_{2.5}\text{Na}_{0.5}\text{V}_2(\text{PO}_4)_3$ nanocomposite cathode enabled by hierarchical porous structure. <i>Journal of Alloys and Compounds</i> , 2019, 777, 784-794.	2.8	18
454	The preparation of grid-textured V_2O_5 films and their potential applications in gas sensing. <i>Science China Technological Sciences</i> , 2020, 63, 467-471.	2.0	5
455	Bienzymatic synergism of vanadium oxide nanodots to efficiently eradicate drug-resistant bacteria during wound healing in vivo. <i>Journal of Colloid and Interface Science</i> , 2020, 559, 313-323.	5.0	58
456	$\text{VO}_2(\text{M})$ nanoparticles with controllable phase transition and high nanothermochromic performance. <i>Journal of Alloys and Compounds</i> , 2020, 816, 152655.	2.8	22
457	Steering polyoxometalate transformation from octahedral to tetrahedral coordination by counter-cations. <i>Dalton Transactions</i> , 2020, 49, 583-587.	1.6	6
458	Application of CoV-LDH nano-flower in asymmetric supercapacitors with high electrochemical properties. <i>Electrochimica Acta</i> , 2020, 336, 135550.	2.6	28
459	Strain Induced Orbital Dynamics Across the Metal Insulator Transition in Thin VO_2/TiO_2 (001) Films. <i>Journal of Superconductivity and Novel Magnetism</i> , 2020, 33, 2383-2388.	0.8	11
460	Heterogeneous Fenton-like magnetic nanosphere coated with vanadium oxide quantum dots for enhanced organic dyes decolorization. <i>Journal of Colloid and Interface Science</i> , 2020, 579, 269-281.	5.0	19
461	Detection of Spin Polarized Band in $\text{VO}_2/\text{TiO}_2(001)$ Strained Films via Orbital Selective Constant Initial State Spectroscopy. <i>Condensed Matter</i> , 2020, 5, 72.	0.8	3
462	On the Promoting Effects of Te and Nb in the Activity and Selectivity of M1 MoV-Oxides for Ethane Oxidative Dehydrogenation. <i>Topics in Catalysis</i> , 2020, 63, 1754-1764.	1.3	6
463	Synergistic effects in $\text{V}_3\text{O}_7/\text{V}_2\text{O}_5$ composite material for high capacity and long cycling life aqueous rechargeable zinc ion batteries. <i>Journal of Power Sources</i> , 2020, 474, 228569.	4.0	79
464	Effects of charge fluctuation and charge regulation on the phase transitions in stoichiometric VO_2 . <i>Scientific Reports</i> , 2020, 10, 17121.	1.6	6
465	Hierarchical Aluminum Vanadate Microspheres with Structural Water: High-Performance Cathode Materials for Aqueous Rechargeable Zinc Batteries. <i>ChemPlusChem</i> , 2020, 85, 2129-2135.	1.3	12
466	High Surface Area $\text{VO}_x/\text{TiO}_2/\text{SBA-15}$ Model Catalysts for Ammonia SCR Prepared by Atomic Layer Deposition. <i>Catalysts</i> , 2020, 10, 1386.	1.6	13
467	New Multicomponent $\text{MoVSbNbCeO}_x/\text{SiO}_2$ Catalyst with Enhanced Catalytic Activity for Oxidative Dehydrogenation of Ethane to Ethylene. <i>ChemCatChem</i> , 2020, 12, 4149-4159.	1.8	14
468	Heterostructured Redox-Active $\text{V}_2\text{O}_5/\text{SnO}_2$ Oxide Nanocatalyst for Aqueous-Phase Oxidation of Furfural to Renewable Maleic Acid. <i>ChemistrySelect</i> , 2020, 5, 6255-6267.	0.7	10
469	Effect of laser wavelength in PLD in the orientation and thermochromic properties of VO_2 (M1) on a glass substrate. <i>MRS Advances</i> , 2020, 5, 1121-1132.	0.5	2
470	Vanadium oxide nanostructures for chemiresistive gas and vapour sensing: a review on state of the art. <i>Mikrochimica Acta</i> , 2020, 187, 253.	2.5	60

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471	Charge correlation in V ₂ OPO ₄ probed by hard x-ray photoemission spectroscopy. <i>Physical Review B</i> , 2020, 101, .	1.1	0
472	Effects of annealing on electrochemical performance in graphene/V ₂ O ₅ supercapacitor. <i>Applied Surface Science</i> , 2020, 512, 145626.	3.1	42
473	Interplay among work function, electronic structure and stoichiometry in nanostructured VO _x films. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 6282-6290.	1.3	21
474	A Hybrid VO _x Incorporated Hexacyanoferrate Nanostructured Hydrogel as a Multienzyme Mimetic via Cascade Reactions. <i>ACS Nano</i> , 2020, 14, 3017-3031.	7.3	53
475	High-performance Na _{1.25} V ₃ O ₈ nanosheets for aqueous zinc-ion battery by electrochemical induced de-sodium at high voltage. <i>Chinese Chemical Letters</i> , 2020, 31, 2268-2274.	4.8	39
476	Rapid thermal annealing assisted facile solution method for tungsten-doped vanadium dioxide thin films on glass substrate. <i>Journal of Alloys and Compounds</i> , 2020, 833, 155053.	2.8	26
477	Re-examination of complexation behaviors of V(^v) and V(^{iv}): experimental investigation and theoretical simulation. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 878-885.	1.6	5
478	Improved description of perovskite oxide crystal structure and electronic properties using self-consistent Hubbard $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mi} \text{U} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ corrections from ACBNO. <i>Physical Review B</i> , 2020, 101, .	1.1	17
479	Influences of Cr Content on the Phase Transformation Properties and Stress Change in Vâ€“Crâ€“O Thin-Film Libraries. <i>ACS Applied Electronic Materials</i> , 2020, 2, 1176-1183.	2.0	3
480	Selective catalytic reduction of NO by NH ₃ over Fe ₂ O ₃ -promoted V ₂ O ₅ /TiO ₂ -based catalysts with high Fe ₂ O ₃ -to-V ₂ O ₅ ratios. <i>Catalysis Today</i> , 2021, 360, 305-316.	2.2	9
481	Aluminium pre-intercalated orthorhombic V ₂ O ₅ as high-performance cathode material for aqueous zinc-ion batteries. <i>Applied Surface Science</i> , 2021, 538, 148043.	3.1	63
482	Boosting carrier dynamics of BiVO ₄ photoanode via heterostructuring with ultrathin BiOI nanosheets for enhanced solar water splitting. <i>Journal of Materials Science and Technology</i> , 2021, 79, 21-28.	5.6	18
483	Controlling Metalâ€“Insulator Transitions in Vanadium Oxide Thin Films by Modifying Oxygen Stoichiometry. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 887-896.	4.0	24
484	Aqueous nickel-ion battery with Na ₂ V ₆ O ₁₆ ·2H ₂ O nanowire as high-capacity and zero-strain host material. <i>Chemical Engineering Journal</i> , 2021, 413, 127441.	6.6	13
485	Anomalous electronic properties in layered, disordered ZnVSb. <i>Physical Review Materials</i> , 2021, 5, .	0.9	2
486	Micro/Nano Na ₃ V ₂ (PO ₄) ₃ /N-Doped Carbon Composites with a Hierarchical Porous Structure for High-Rate Pouch-Type Sodium-Ion Full-Cell Performance. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 8445-8454.	4.0	51
487	Properties of a Multicomponent MoVSbNbCeO _x /SiO ₂ Catalyst in the Oxidative Dehydrogenation of Ethane to Ethylene. <i>Kinetics and Catalysis</i> , 2021, 62, 315-327.	0.3	3
488	Role of Surface Termination in the Metalâ€“Insulator Transition of V ₂ O ₃ (0001) Ultrathin Films. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 20779-20787.	4.0	2

#	ARTICLE	IF	CITATIONS
489	Absence of local moments in the kagome metal KV_3Sb_5 as determined by muon spin spectroscopy. Journal of Physics Condensed Matter, 2021, 33, 235801. Electronic structure of	0.7	100
490	$Tb_{0.5}Sr_{0.5}MnO_3$. Physical Review B, 2021, 103, .		0
491	Harnessing oxygen vacancy in V_2O_5 as high performing aqueous zinc-ion battery cathode. Journal of Alloys and Compounds, 2021, 870, 159403.	2.8	45
492	Enhanced Oxygen Evolution Reaction with a Ternary Hybrid of Patroniteâ€“Carbon Nanotube-Reduced Graphene Oxide: A Synergy between Experiments and Theory. ACS Applied Materials & Interfaces, 2021, 13, 35828-35836.	4.0	11
493	Homogeneous V incorporation via single-step anodization: Structural doping or heterostructure formation?. Applied Surface Science, 2021, 556, 149694.	3.1	6
494	Prussian Blue Analogueâ€“Sodiumâ€“Vanadium Hexacyanoferrate as a Cathode Material for Na-Ion Batteries. ACS Applied Energy Materials, 2021, 4, 9758-9765.	2.5	18
495	In Situ Defect Induction in Closeâ€“Packed Lattice Plane for the Efficient Zinc Ion Storage. Small, 2021, 17, e2101944.	5.2	24
496	Enhanced Zinc Ion Storage Capability of V_2O_5 Electrode Materials with Hollow Interior Cavities. Batteries and Supercaps, 2021, 4, 1867-1873.	2.4	31
497	Effects of V_2O_5 and Fe_2O_3 on the structures and electrochemical performances of $Li_2O-V_2O_5-B_2O_3$ glass materials in lithium-ion batteries. Journal of Alloys and Compounds, 2021, 879, 160293.	2.8	10
498	$LiVO_2$ as a new solid-state phase change material. Journal of Alloys and Compounds, 2021, 882, 160741.	2.8	2
499	Quantized ATDHF: theory and realistic applications to heavy ion fusion. Lecture Notes in Physics, 1982, , 323-337.	0.3	2
501	A Study of the Metal â€“ Semiconductor Transition in Vanadium Oxides. , 1986, , 265-292.		6
502	Electron Spectroscopy and Hubbard: Issues and Opportunities. NATO ASI Series Series B: Physics, 1995, , 357-372.	0.2	5
503	Auger Spectroscopy as a Probe of Valence Bonds and Bands. Springer Series in Chemical Physics, 1982, , 19-50.	0.2	8
504	Representative Conducting Oxides. Springer Series in Solid-state Sciences, 1991, , 105-286.	0.3	1
505	Electron spectroscopies and partial excitation spectra in Cr_2O_3 . , 1996, , 49-52.		2
506	Electrolytic Deposition of Nanocomposite Coatings: Processing, Properties, and Applications. , 2010, , 257-304.		7
507	Valence of vanadium in hydrated compounds. Lithuanian Journal of Physics, 2007, 47, 333-342.	0.1	22

#	ARTICLE	IF	CITATIONS
508	Transition Metal Nitride-Based Nanolayered Multilayer Coatings and Nanocomposite Coatings as Novel Superhard Materials. , 2010, , 439-492.		1
509	Transition Metal Nitride-Based Nanolayered Multilayer Coatings and Nanocomposite Coatings as Novel Superhard. , 2010, , 427-480.		2
510	Electronic Structure of the VO Film Grown on Ag(100): Resonant Photoelectron Spectroscopy Study. E-Journal of Surface Science and Nanotechnology, 2018, 16, 236-241.	0.1	1
511	Long cycle life aqueous rechargeable battery Zn/ Vanadium hexacyanoferrate with H ⁺ /Zn ²⁺ coininsertion for high capacity. Chemical Engineering Journal, 2022, 430, 132864.	6.6	37
514	Physico-Chemical Properties of NaV ₃ O ₈ Prepared by Solid-State Reaction. Materials, 2021, 14, 6976.	1.3	5
515	Multicomponent MoVSbNbGdO _x /SiO ₂ catalyst in oxidative dehydrogenation of ethane: Effect of Gd on catalytic properties. Applied Catalysis A: General, 2022, 633, 118536.	2.2	7
516	Novel Multivalent Rechargeable Ion Battery: An Organic Nickel Ion Battery with Li ₃ V ₂ (PO ₄) ₃ Cathode. SSRN Electronic Journal, 0, , .	0.4	0
517	Catalyzed Decomposition of Methanol on Vanadium Nanoclusters Supported on an Ultrathin Film of Al ₂ O ₃ /NiAl(100). Journal of Physical Chemistry C, 2022, 126, 3903-3914.	1.5	9
518	Novel multi-valent rechargeable ion battery: An organic nickel ion battery with Li ₃ V ₂ (PO ₄) ₃ cathode. Chemical Engineering Journal, 2022, 438, 135445.	6.6	3
519	Fabrication of V ₃ O ₇ ·H ₂ O/graphene cathode for high performance zinc-ion batteries. Materials Letters, 2022, 317, 132124.	1.3	2
520	Lowering of Phase Transition Temperature for Nb or Ta Doped VO ₂ ; Thin Films Grown by MOD. IEEE Transactions on Fundamentals and Materials, 2022, 142, 221-228.	0.2	3
521	Hubbard U parameters for transition metals from first principles. Physical Review B, 2022, 105, .	1.1	23
522	Self-template synthesis of mesoporous vanadium oxide nanospheres with intrinsic peroxidase-like activity and high antibacterial performance. Journal of Colloid and Interface Science, 2022, 625, 435-445.	5.0	18
523	Ab initio calculations of Auger electron kinetic energies: Breadth and depth. Radiation Physics and Chemistry, 2022, 200, 110472.	1.4	1
524	Zero-strain K ₂ SrV ₄ O ₁₂ as a high-temperature friendly Li ⁺ -storage material. Energy Storage Materials, 2022, 52, 637-645.	9.5	13
525	Ultrafast Tm-doped fiber laser based on hybrid fiber coupler. Journal of Luminescence, 2022, 251, 119232.	1.5	1
526	Investigation of lattice dynamics, magnetism, and electronic transport in $V\hat{I}^2O_5$. Physical Review B, 2022, 106, .	1.1	2
527	Influence of Excess Charge on Water Adsorption on the BiVO ₄ (010) Surface. Journal of the American Chemical Society, 2022, 144, 17173-17185.	6.6	17

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528	Electrochemical and energy storage properties of layer-by-layer assembled vanadium oxide electrode-based solid-state supercapacitor in n ⁺ -SnO ₂ :F/n-V ₂ O ₅ heterostructure device form using ionic liquid gel electrolyte. <i>Journal of Solid State Electrochemistry</i> , 2023, 27, 139-159.	1.2	8
529	Electronic Structure Evolution from Metallic Vanadium to Metallic V _x O _y : A NAPPES Study for O ₂ + V Gas-Solid Interaction. <i>Journal of Physical Chemistry C</i> , 2022, 126, 19136-19146.	1.5	0
530	Hydrogenated V ₂ O ₅ with fast Zn-ion migration kinetics as high-performance cathode material for aqueous zinc-ion batteries. <i>Electrochimica Acta</i> , 2023, 439, 141717.	2.6	11
531	Influence of Electronic Configurations on the Modulation of Fermi/Orbital Junction Energies for Directional Electron Transport through 3d ¹ , 3d ³ , and 3d ⁵ Metallosurfactants. <i>Journal of Physical Chemistry C</i> , 2022, 126, 21010-21021.	1.5	2
532	Towards Room Temperature Phase Transition of W-Doped VO ₂ Thin Films Deposited by Pulsed Laser Deposition: Thermochromic, Surface, and Structural Analysis. <i>Materials</i> , 2023, 16, 461.	1.3	8
533	Structural transition and photoluminescence behavior of (V ₂ O ₅) _{1-x} (Ag _{0.33} V ₂ O ₅) _x (x=0 to 0.1) nanocomposites. <i>Results in Chemistry</i> , 2023, 5, 100802.	0.9	2
534	Characterization of the VO ₂ Thin Films Grown on Glass Substrates by MOD. <i>IEEE Transactions on Fundamentals and Materials</i> , 2023, 143, 54-62.	0.2	1
535	Effect of Gadolinium Additives on the Active Phase Morphology and Physicochemical and Catalytic Properties of MoVSbNbGdO _x /SiO ₂ Catalysts in the Oxidative Dehydrogenation of Ethane to Ethylene. <i>Kinetics and Catalysis</i> , 2022, 63, 732-746.	0.3	1
537	Photocatalytic Oxidation Effects of Rutile. , 2023, , 145-169.		0