

Jan Srodon

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Quantitative X-Ray Diffraction Analysis of Clay-Bearing Rocks from Random Preparations. <i>Clays and Clay Minerals</i> , 2001, 49, 514-528.	0.6	387
2	X-ray Powder Diffraction Identification of Illitic Materials. <i>Clays and Clay Minerals</i> , 1984, 32, 337-349.	0.6	256
3	XRD Measurement of Mean Crystallite Thickness of Illite and Illite/Smectite: Reappraisal of the Kubler Index and the Scherrer Equation. <i>Clays and Clay Minerals</i> , 1997, 45, 461-475.	0.6	255
4	Precise Identification of Illite/Smectite Interstratifications by X-ray Powder Diffraction. <i>Clays and Clay Minerals</i> , 1980, 28, 401-411.	0.6	249
5	NATURE OF MIXED-LAYER CLAYS AND MECHANISMS OF THEIR FORMATION AND ALTERATION. <i>Annual Review of Earth and Planetary Sciences</i> , 1999, 27, 19-53.	4.6	227
6	Chemistry of Illite/Smectite and End-Member Illite. <i>Clays and Clay Minerals</i> , 1986, 34, 368-378.	0.6	149
7	Surface area and layer charge of smectite from CEC and EGME/H ₂ O-retention measurements. <i>Clays and Clay Minerals</i> , 2008, 56, 155-174.	0.6	129
8	12. ILLITE. , 1984, , 495-544.		100
9	X-ray identification of randomly interstratified illite-smectite in mixtures with discrete illite. <i>Clay Minerals</i> , 1981, 16, 297-304.	0.2	86
10	Direct High-Resolution Transmission Electron Microscopic Measurement of Expandability of Mixed-Layer Illite/Smectite in Bentonite Rock. <i>Clays and Clay Minerals</i> , 1990, 38, 373-379.	0.6	76
11	Diagenetic Reorientation of Phyllosilicate Minerals in Paleogene Mudstones of the Podhale Basin, Southern Poland. <i>Clays and Clay Minerals</i> , 2008, 56, 100-111.	0.6	74
12	Potassium Fixation in Smectite by Wetting and Drying. <i>ACS Symposium Series</i> , 1987, , 296-326.	0.5	69
13	The Charge of Component Layers of Illite-Smectite in Bentonites and the Nature of End-Member Illite. <i>Clays and Clay Minerals</i> , 2009, 57, 649-671.	0.6	59
14	Hydrothermal alteration of the Ediacaran Doushantuo Formation in the Yangtze Gorges area (South) Tj ETQq0 0 0 rBT /Overlock 10 Tf	1.6	37
15	Effect of Illite Particle Shape on Cesium Sorption. <i>Clays and Clay Minerals</i> , 1999, 47, 755-760.	0.6	36
16	Synthesis of Mixed-Layer Kaolinite/Smectite. <i>Clays and Clay Minerals</i> , 1980, 28, 419-424.	0.6	35
17	Detrital zircon U-Pb and Hf constraints on provenance and timing of deposition of the Mesoproterozoic to Cambrian sedimentary cover of the East European Craton, Belarus. <i>Precambrian Research</i> , 2019, 331, 105352.	1.2	31
18	Partial Dissolution of Glauconitic Samples: Implications for the Methodology of K-Ar and Rb-Sr Dating. <i>Clays and Clay Minerals</i> , 2009, 57, 531-554.	0.6	30

#	ARTICLE	IF	CITATIONS
19	Thermal History of Lower Paleozoic Rocks on the Peri-Tornquist Margin of the East European Craton (Podolia, Ukraine) Inferred from Combined XRD, K-Ar, and AFT Data. <i>Clays and Clay Minerals</i> , 2013, 61, 107-132.	0.6	28
20	Thickness distribution of illite crystals in shales. I: x-ray diffraction $\langle l \rangle$ vs $\langle l \rangle$. high-resolution transmission electron microscopy measurements. <i>Clays and Clay Minerals</i> , 2002, 50, 562-577.	0.6	26
21	K-Ar Dating of Illitic Fractions of Estonian "Blue Clay" Treated with Alkylammonium Cations. <i>Clays and Clay Minerals</i> , 1999, 47, 96-102.	0.6	23
22	One-dimensional structure of exfoliated polymer-layered silicate nanocomposites: A polyvinylpyrrolidone (PVP) case study. <i>Applied Clay Science</i> , 2010, 47, 235-241.	2.6	22
23	Detrital zircon U-Pb and Hf constraints on provenance and timing of deposition of the Mesoproterozoic to Cambrian sedimentary cover of the East European Craton, part II: Ukraine. <i>Precambrian Research</i> , 2021, 362, 106282.	1.2	20
24	Modeled shale and sandstone burial diagenesis based on the K-Ar systematics of illite-type fundamental particles. <i>Clays and Clay Minerals</i> , 2004, 52, 576-588.	0.6	16
25	Long-distance fluid migration defines the diagenetic history of unique Ediacaran sediments in the East European Craton. <i>Basin Research</i> , 2021, 33, 570-593.	1.3	16
26	Effect of the shape of fundamental particles on XRD characteristics of illitic minerals. <i>European Journal of Mineralogy</i> , 1994, 6, 113-122.	0.4	16
27	Evolution of Boron and Nitrogen Content During Illitization of Bentonites. <i>Clays and Clay Minerals</i> , 2010, 58, 743-756.	0.6	12
28	The charge of wetttable illite-smectite surfaces measured with the O-D method. <i>Applied Clay Science</i> , 2018, 161, 354-363.	2.6	7
29	Critical evaluation of geochemical indices of palaeosalinity involving boron. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 322, 1-23.	1.6	7
30	Mineral Compositional Trends and Their Correlations with Petrophysical and Well-Logging Parameters Revealed by $\langle i \rangle$Quanta</math> + $\langle i \rangle$Bestmin</math> Analysis: Miocene of the Carpathian Foredeep, Poland. <i>Clays and Clay Minerals</i> , 2012, 60, 63-75.	0.6	6
31	Late diagenesis of illite-smectite in the Podhale Basin, southern Poland: Chemistry, morphology, and preferred orientation. , 2017, 13, 2137-2153.		6
32	Age constraints of the Sturtian glaciation on western Baltica based on U-Pb and Ar-Ar dating of the Lapichi Svita. <i>Precambrian Research</i> , 2022, 371, 106595.	1.2	6
33	K-Ar AND Rb-Sr DATING OF NANOMETER-SIZED SMECTITE-RICH MIXED LAYERS FROM BENTONITE BEDS OF THE CAMPOS BASIN (RIO DE JANEIRO STATE, BRAZIL). <i>Clays and Clay Minerals</i> , 2020, 68, 446-464.	0.6	4
34	Oxygen isotopic compositions of end-members in a multicomponent mixture: Ediacaran weathering material from the East European Craton. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 306, 245-262.	1.6	3