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219	M. Dudita*, C. Bogatu, A. Duta	SOLAR SELECTIVE ABSORBERS BASED ON METAL OXIDES - ELECTROCHEMICAL CORROSION IN SALINE ENVIRONMENT
220	M. Dudita*, G. Bacanu, A. Duta, I. Visa	NEW HOT PLATE BASED ON THE HEAT PIPE PRINCIPLE FOR SOLAR SELECTIVE COATINGS DEPOSITION
221	F. Alberti*, M. Cozzini, L. Crema	COATING CANDIDATES COMPARISON AND THE TWO-ZONE COATING STRATEGIES FOR PARABOLIC TROUGH
223	N. Arcuri, M. De Simone*, R. Bruno, F. Reda	ENERGY AND THERMO- FLUID - DYNAMICS EVALUATIONS OF PHOTOVOLTAIC PANELS COOLED BY WATER AND AIR
225	K.S. Reddy*, T. Sri Hari Vikram	HEAT LOSS ANALYSIS FROM MODIFIED CAVITY RECEIVER OF SOLAR PARABOLIC DISH COLLECTOR
227	L. Chea*, L. Chea, B. Karlsson	PERFORMANCE EVALUATION OF NEW TWO AXES TRACKING PV-THERMAL CONCENTRATOR
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Topic 5: Solar Electricity and Other Applications

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20	R. Platon*, S. Pelland, Y. Poissant	MODELLING THE POWER PRODUCTION OF A PHOTOVOLTAIC SYSTEM: COMPARISON OF SUGENO-TYPE FUZZY LOGIC AND PVSAT MODELS
73	T. Yano*, N. Itoh, Y. Takahashi, M. Niino, K. Kisara	DESALINATION AND DISASTER PREVENTION SYSTEM UTILIZING SOLAR THERMAL ENERGY AND THERMOELECTRIC MODULE
78	B. Coelho*, A. Oliveira, A. Mendes	INFLUENCE OF STORAGE CAPACITY, SOLAR MULTIPLE AND CONTROL STRATEGY IN THE PERFORMANCE OF ATMOSPHERIC VOLUMETRIC RECEIVERS POWER PLANTS
80	M. Sauerborn*, J. Klimek, B. Hoffschmidt, H. Essen, S. Sieger, G. Biegel, J. Göttische, P. Hilger	EUROSUN 2012 – RADAR TECHNOLOGY FOR HELIOSTAT POSITION CONTROL
86	Y. Arbuzov, V. Evdokimov, O. Shepvalova*	TOP LIMIT CHARACTERISTICS OF NEW TYPE CASCADE PC ON THE BASIS OF HOMOGENEOUS SEMICONDUCTOR
89	A.A. Hachicha*, I. Rodríguez, A. Oliva	LARGE-EDDY SIMULATIONS OF FLUID FLOW AND HEAT TRANSFER AROUND A PARABOLIC TROUGH SOLAR COLLECTOR
97	S. Alexopoulos*, C. Rau, B. Hoffschmidt, M. Latzke	MODELLING AND VALIDATION OF A TRANSIENT HEAT RECOVERY STEAM GENERATOR OF THE SOLAR TOWER POWER PLANT JUELICH
101	M. Harasek*, J. Krischan, C. Schiefer, K. Leisch, D. Wirth	SOLAR COOLING, HEATING AND POWER GENERATION FOR BUSINESS AND INDUSTRIAL BUILDINGS – A FLEXIBLE, DEMAND-ORIENTED CONCEPT DESIGN
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192	S. Tundee*, S. Charmongkolpradit, N. Srihajong	THE COMPARISON OF THE HEAT EXTRACTION FROM NON CONVECTIVE ZONE AND LOWER CONVECTIVE ZONE OF THE SOLAR PONDS
201	P. Manthirapathy*	DESIGN AND PERFORMANCE ANALYSIS OF PHOTOVOLTAIC SYSTEM BASED ON MODIFIED Z-SOURCE INVERTER
218	P. Cottam*, P. Duffour, P. Fromme	A PARAMETRIC STUDY OF SOLAR THERMAL CHIMNEY PERFORMANCE

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Topic 6: Solar Energy Frameworks

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16	T. Tomson*	TRANSIENT PROCESSES OF SOLAR RADIATION
22	L. Runko Luttenberger*	ELIMINATING THE BARRIERS TO SOLAR ENERGY USE IN CROATIA
29	P. Otte*	THE IMPACT OF SPIRITUAL COMMITMENT ON THE SOCIAL ADOPTION OF INSTITUTIONAL SOLAR COOKING - THE CASE OF THE BRAHMA KUMARIS
34	E. Rudan, M. Krstinic Nizic*	ECONOMIC POSSIBILITIES OF SOLAR ENERGY USE IN TOURISM
36	S. Djukanovic*, P. Djukic	THE SPREADING OF SOLAR CELLS APPLICATION IN SERBIA
38	K. Geimer*, K. Kramer, M. Göring	MECHANICAL LOAD TESTS FOR SOLAR THERMAL COLLECTORS
45	Y. Eissa, P.R. Marpu, H. Ghedira*, T.B.M.J. Ouarda, M. Chiesa	SEVIRI-DERIVED DIRECT NORMAL IRRADIANCE USING HELIOSAT-2 GLOBAL HORIZONTAL IRRADIANCE AND A NEURAL NETWORK ENSEMBLE: A COMPARISON
52	Y. Eissa, P.R. Marpu, H. Ghedira*, T.B.M.J. Ouarda, M. Chiesa	NEAR-NOWCASTING TOOL FOR DIRECT NORMAL AND GLOBAL HORIZONTAL IRRADIANCE ESTIMATIONS USING SEVIRI IMAGES
65	B. Jelavić, A. Bačan*, L. Horváth, M. Perović	DEVELOPMENT OF RES SECTOR IN CROATIA WITH EMPHASIS ON SOLAR ENERGY
81	B. Bartok, L. Fara*, A. Galbeaza Moraru, A. Diaconu	ESTIMATION OF A BIPV SYSTEM PERFORMANCE BASED ON SOLAR RADIATION FORECAST MODELS
82	G. Lješić*, G. Dodig	ECONOMICAL JUSTIFICATION OF SOLAR PLANTS IN HERZEGOVINA
83	A. Bačan*, N. Matijašević, T.D. Tsoutsos, S.K. Tournaki, Z.K. Gkouskos, G. Masson	TRAINING AND CERTIFICATION SCHEME FOR PV INSTALLERS
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157	T. Betti*, I. Marasović, Ž. Milanović, I. Zulim	ANALYSIS OF PHOTOVOLTAIC POTENTIAL IN CROATIA
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167	D. Jardas*	RES IN THE COUNTY OF PRIMORJE AND GORSKI KOTAR
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183	E. Pihl, F. Johnsson*	CONCENTRATED SOLAR POWER - TECHNOLOGIES, MATERIALS AND EUROPEAN POTENTIAL
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